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**VOLATILE ORGANIC COMPOUNDS
MONITORING NETWORK
AMBIENT AIR CONCENTRATION
DATA LISTING 1991**

DECEMBER 1992



Ontario

**Environment
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AMBIENT AIR CONCENTRATION DATA LISTING 1991

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VOLATILE ORGANIC COMPOUND SAMPLING PROGRAM
AMBIENT AIR CONCENTRATION DATA LISTING 1991

Report prepared by:

Atmospheric Research and Special Programs Section
Air Resources Branch
Ontario Ministry of the Environment

DECEMBER 1992

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This report was prepared by Peter Steer and Joe Lam of the Special Studies and Research Management Unit, Atmospheric Research and Special Projects Section of Air Resources Branch. Many people have been involved in the Volatile Organic Compounds Monitoring Network since the three-site trial network began in 1989. Sample collection was the responsibility of the participating regions; project guidance came from the Organics Measurement Sub-Committee of the Ambient Air Quality Assessment Committee (Sub-Committee membership is composed of representatives from the regions, Laboratory Services Branch, and Air Resources Branch); chemical analyses were performed at the Laboratory Services Branch under the direction of Dr. Brian Foster; and overall project coordination was provided by P. Steer (Air Toxics Network Coordinator - Air Resources Branch). Data entry and records management was provided by Peter Maheras (ARB). Data validation and systems development/management was performed by Joe Lam and Peter Steer. The data listings in this report are available on diskette in dBASE IV® or Lotus® 1-2-3® Release 2.2 format with an accompanying README.DOC file describing the validation codes. All enquiries regarding the reported data should be directed to Peter Steer, Air Toxics Network Coordinator, Air Resources Branch, telephone (416) 235 6165.

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PART I: INTRODUCTION

The data listed in this report are the 1991 results from the Volatile Organic Compounds Monitoring Network. This network began routine collection of samples in the spring of 1989 at three sites: University Avenue in Windsor; Kelly St. in Hamilton; and Perth Avenue School in Toronto.

Samples were collected by drawing air through a two-stage sorbent cartridge for 24 hrs. The flow rate was regulated by a mass flow controller. Details are available elsewhere¹. Sample analysis was by thermal desorption onto a dual column GC/FID. Details are available elsewhere².

The data listed herein have been screened to ensure proper and consistent application of the field and office comments described below. Some of the appended explanatory codes may seem vague and subjective; this is unavoidable in part due to the nature of the chemicals being measured and also due to the limited amount of data available. As the database grows, more objective, statistically based tests will be incorporated into the screening programs. The codes that will be affected are identified below in the explanatory notes.

Field Comment Codes

Field comment codes affect an entire sample: i.e. they are not compound specific. Any applicable codes appear under the sample date above the actual chemical results to which the codes apply. The codes have the following meaning:

- D the sample is a duplicate at that site;
- M a sampler malfunction occurred; this code may appear with the SV office comment code (described below);
- S the sample start time was not 00:00 hr 01:00 hr;
- X the sample duration was not 24:00 hr 01:00 hr;
- N non-routine sampling day: i.e. the sample was not collected on the regularly scheduled day;
- A the sample cartridge arrived at the site office broken;
- I the sample cartridge was broken during installation;
- R the sample cartridge was broken during removal.

Office Comment Codes

Office comment codes affect an entire sample also. Any applied office comment codes are also

¹ Ontario Ministry of the Environment Volatile Organic Compounds Monitoring Network Standard Operating Procedures and Technical Manual. Air Resources Branch Report # ARB-224-89, January 1990.

² The Determination of Volatile Organic Compounds (VOC) in Ambient Air by Thermal Desorption. Laboratory Services Branch Report # DESORB-E3131A.1, January 1991.

to be found in the data listing under the sample date. What the codes mean, and under what circumstances they are appended are described below:

- LR low results: this code is appended on the advice of the regional Chief of Air Quality Assessment. The code is applied in instances when a compound such as benzene is not detected in a downtown urban environment and yet no sampling or analytical problems are indicated by field comment codes or result remark codes (described below). As the number of samples grows and a sample distribution shapes up, it is anticipated that this code will still be used, however, it will be appended based not on a subjective "feel" for the data but on a statistical test. For instance, the code may be appended if the reported result falls into a pre-determined percentile (e.g. 10th or 15th);
- QD questionable duplicate: this code is appended based on the judgement of both the regional Chief of Air Quality Assessment and the Network Coordinator. The code is applied in instances when results from one sample from a site at which duplicate samplers are installed show measurable concentrations but results from the duplicate sample are predominantly non-detects;
- SV sample volume: this code is appended when the sample volume falls outside pre-determined limits. These limits are 34.2 L and 37.8 L which corresponds to a variation in the flow rate of 5%.

Results Remark Codes

Results remark codes (except !O) are appended by the Laboratory Services Branch and may be specific to individual compounds or they may apply to an entire sample. These codes are found in the column following the analytical result for the specific compounds. The codes are:

- !LA lab accident: this code is appended to indicate a problem with the entire analytical run. When this code is appended, concentration results are set to the missing value code (-9);
- !BT broken tube: this code indicates a sample that could not be analyzed because it arrived at LSB broken or cracked. When this code is appended, concentration results are set to the missing value code;
- !IV invalid: this code is appended i) based on information contained on the field sheets. For instance, if the sampler did not turn on and no sample was collected; or ii) before any analytical results are entered into the Laboratory Information System (LIS) if the analytical results are deemed suspect. This code may or may not appear with an office comment code. When this code is appended, concentration results are set to the missing value code;
- !AW analysis withdrawn: this code is appended to invalidate a sample for which analytical results have already been entered into the LIS. In this case, the LIS report is not approved and the analysis is withdrawn. When this code is appended, concentration results are set to the missing value code.

The codes above cause all results from a sample to be set to the missing value code. The results remark codes described below only affect specific compounds.

- !EF equipment failure: this code is appended when a portion of the analytical run is out of control usually as a result of a loss in instrument sensitivity (cryotrap problem) or a detector flameout. This code is specific to the compounds it appears opposite.
- !O outlier: this code is appended based on the Grubbs Test³.
- AIN approximate result, interference suspected: this code is appended when chromatographic peaks are not well separated. Identification and quantitation are based on the analyst's experience. Care should be taken when interpreting the result.
- <W compounds thus flagged were not detected at the indicated detection level.
- <T a result between W and ten times W. Care should be taken when interpreting the result.

DORSET DICHLOROMETHANE RESULTS

Dichloromethane results from Dorset require special mention here. The main research facility in Dorset has many samplers operating on varied schedules. Some of the precipitation collectors require a funnel rinse following sample collection. Until recently, the solvent of choice was HPLC grade dichloromethane. Contamination is not consistent because of the varied sampling schedules. Dichloromethane results over a few micrograms are suspect.

Acetone is now used for all precipitation collector funnel rinses.

PART II: STATION DESCRIPTION AND LOCATION MAP



| Station Id (Name) | (Map Ref) | Region | City | Latitude | Longitude |
|------------------------------|-----------|--------------|------------------|-------------|-------------|
| 12007 (Wright/Water) | (1) | Southwest | Windsor | 42° 16' 31" | 83° 05' 48" |
| 12008 (University Av) | (1) | Southwest | Windsor | 42° 18' 57" | 83° 02' 36" |
| 15016 (Commissioner's Rd) | (2) | Southwest | London | 42° 57' 33" | 81° 14' 38" |
| 29000 (Kelly/Elgin) | (3) | West Central | Hamilton | 43° 15' 28" | 79° 51' 42" |
| 29102 (Beach Blvd) | (3) | West Central | Hamilton | 43° 16' 30" | 79° 46' 52" |
| 29114 (Vickers/East 18th) | (3) | West Central | Hamilton | 43° 13' 45" | 79° 51' 48" |
| 31120 (Perth Av School) | (4) | Central | Toronto | 43° 39' 46" | 79° 27' 08" |
| 44015 (Bronte Rd/Woburn Cr) | (5) | Central | Oakville | 43° 24' 39" | 79° 48' 38" |
| 45025 (Ritson Rd/Olive Av) | (6) | Central | Oshawa | 43° 53' 28" | 78° 50' 59" |
| 46117 (Meadow Pk) | (7) | Central | Mississauga | 43° 30' 33" | 79° 36' 30" |
| 49014 (Research Facility) | (8) | Central | Dorset | 43° 42' 35" | 79° 32' 29" |
| 63200 (James St S) | (9) | Northwest | Thunder Bay | 48° 22' 30" | 89° 17' 30" |
| 71068 (Wm Merrifield School) | (10) | Northeast | Sault Ste. Marie | 46° 31' 49" | 84° 21' 15" |

PART III:

SOUTHWESTERN REGION AMBIENT AIR CONCENTRATION RESULTS

12007 - Windsor: Wright and Water Streets

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³*)

Station: 12007 - Windsor - Wright & Water Sts.

| Compound Name | 06-Jan-91 | | 18-Jan-91 | | 30-Jan-91 | | 11-Feb-91 | | 25-Feb-91 | | 07-Mar-91 | | 19-Mar-91 | | 31-Mar-91 | | 12-Apr-91 | |
|---------------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|
| | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | |
| | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : |
| Volume (litres) : | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 |
| Napthalene | 0.3 <T | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.7 <T | 1.0 <T | 1.3 | 0.3 <T | 0.3 <T | 1.3 | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.4 <T | 0.4 <T |
| Dichloromethane | 0.2 <W | 0.2 <W | -9.0 IIV | -9.0 IEF | 20.4 IO | 0.3 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.2 <W | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 0.7 <T | 0.5 <T | -9.0 IIV | -9.0 IEF | 1.3 | 1.2 | 1.8 | 0.1 <W | 0.1 <W | 1.8 | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 1.1 | 1.1 |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | 0.8 <W | 0.8 <W | -9.0 IIV | -9.0 IEF | 0.8 <W | 0.8 <W | 2.1 <T | 2.3 <T | 2.3 <T | 2.3 <T | 2.3 <T | 2.3 <T | 2.3 <T | 2.3 <T | 2.3 <T | 2.3 <T | 0.8 <W | 0.8 <W |
| Benzene | 2.3 | 0.6 <T | -9.0 IIV | -9.0 IEF | 2.9 | 8.9 IO | 8.3 IO | 0.1 <W | 0.1 <W | 8.3 IO | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 1.1 | 1.1 |
| Trichloroethylene | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Toluene | 2.8 | 1.1 | -9.0 IIV | -9.0 IEF | 3.1 | 2.3 | 4.1 | 0.1 <W | 0.1 <W | 4.1 | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 2.3 | 2.3 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.4 <T | 0.3 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.2 <T | 0.2 <T |
| Chlorobenzene | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | 0.4 <T | 0.2 <T | -9.0 IIV | -9.0 IEF | 0.5 <T | 0.2 <T | 0.5 <T | 0.2 <T | 0.2 <T | 0.5 <T | 0.2 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.4 <T | 0.4 <T |
| O-xylene | 0.5 <T | 0.2 <T | -9.0 IIV | -9.0 IEF | 0.6 <T | 0.3 <T | 0.6 <T | 0.3 <T | 0.3 <T | 0.6 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.5 <T | 0.5 <T |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | 0.2 <W | -9.0 IIV | -9.0 IEF | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 1.0 <T | 1.0 <T | 1.0 <T | 0.1 <W | 0.1 <W | 1.0 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | 0.8 <T | 0.3 <T | -9.0 IIV | -9.0 IEF | 1.5 | 0.5 <T | 1.1 | 0.7 <T | 0.7 <T | 1.1 | 0.7 <T | 0.7 <T | 0.7 <T | 0.7 <T | 0.7 <T | 0.7 <T | 0.7 <T | 0.7 <T |
| 1,3-Butadiene | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Cyclohexane | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Hexane | 1.0 <T | 0.4 <T | -9.0 IIV | -9.0 IEF | 1.2 | 0.6 <T | 2.2 | 0.2 <T | 0.2 <T | 2.2 | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T |
| 1,3,5-Trimethylbenzene | 0.2 <T | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T |
| m,p-xylene | 1.2 | 0.5 <T | -9.0 IIV | -9.0 IEF | 1.5 | 0.7 <T | 1.5 | 0.7 <T | 0.7 <T | 1.5 | 0.7 <T | 0.7 <T | 0.7 <T | 0.7 <T | 0.7 <T | 0.7 <T | 1.1 | 1.1 |
| Styrene | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.3 <T | 0.2 <T | 0.3 <T | 0.2 <T | 0.2 <T | 0.3 <T | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 0.3 <W | -9.0 IIV | -9.0 IEF | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Isoprene | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Acrylonitrile | 0.3 <W | 0.3 <W | -9.0 IIV | -9.0 IEF | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 0.3 <W | 0.3 <W | -9.0 IIV | -9.0 IEF | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Chloromethane | 0.7 <T | 0.3 <T | -9.0 IIV | -9.0 IEF | 5.8 IO | 0.7 <T | 0.8 <T | 0.7 <T | 0.7 <T | 0.8 <T | 0.7 <T | 0.7 <T | 0.7 <T | 0.7 <T | 0.7 <T | 0.7 <T | 0.9 <T | 0.9 <T |
| 1,1-Dichloroethene | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Vinylchloride | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.9 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.7 <T | 0.7 <T |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.4 <T | 0.1 <W | 0.5 <T | 0.1 <W | 0.1 <W | 0.5 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.4 <T | 0.4 <T |
| 1,4-Dichlorobenzene | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 1.0 <T | 0.1 <W | 1.0 <T | 0.1 <W | 1.0 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |

$(\mu\text{g}/\text{m}^{*}3)$

```

Date :
Field Comment :
Office Comment :
Flow Rate (ml/min) :
Volume (litres) :

```

2

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³·3)

Station: 12007 - Windsor - Wright & Water Sts.

| Date : | 22-Aug-91 | 03-Sep-91 | 15-Sep-91 | 29-Sep-91 | 21-Oct-91 | 03-Nov-91 | 14-Nov-91 | 26-Nov-91 | 08-Dec-91 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Field Comment : | | | | | | | | | |
| Office Comment : | | | | | | | | | |
| Flow Rate (ml/min) : | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| Volume (litres) : | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| Compound Name | | | | | | | | | |
| Naphthalene | 0.1 <W | 0.1 <W | 0.1 <W | 0.8 <T | 1.0 <T | 0.1 <W | -9.0 IBT | 0.1 <W | -9.0 IEF |
| Dichloromethane | 0.8 <T | 0.2 <W | 0.2 <W | 0.3 <T | 0.5 <T | 0.2 <W | -9.0 IBT | 0.2 <W | 0.2 <W |
| 1,1-dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W |
| 1,1,1-trichloroethane | 2.5 | 1.6 | 1.7 | 0.1 <W | 2.3 | 0.9 <T | -9.0 IBT | 0.6 <T | 0.6 <T |
| 1,1,2-dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 2.2 <T | 0.8 <W | -9.0 IBT | 0.8 <W | 0.8 <W |
| Benzene | 3.2 | 1.2 | 1.0 <T | 3.3 | 2.5 | 0.7 <T | -9.0 IBT | 1.0 <T | 1.3 |
| Trichloroethylene | 0.3 <T | 0.2 <W | 0.1 <W | 0.4 <T | 0.7 <T | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W |
| Toluene | 10.5 | 4.7 | 3.3 | 12.6 IO | 5.2 | 1.1 | -9.0 IBT | 2.2 | 2.0 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.9 <T | 0.5 <T | 0.5 <T | 1.5 IO | 0.8 <T | 0.2 <T | -9.0 IBT | 0.5 <T | 0.3 <T |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W |
| Ethylbenzene | 1.2 | 0.5 <T | 0.5 <T | 2.2 IO | 1.2 | 0.2 <T | -9.0 IBT | 0.4 <T | 0.2 <T |
| Oxylene | 1.1 | 0.6 <T | 0.5 <T | 2.4 IO | 1.2 | 0.2 <T | -9.0 IBT | 0.4 <T | 0.3 <T |
| 1,1,2,4-Tetrachloroethane | 0.5 <T | 0.2 <W | 0.2 <W | 1.3 <T | 0.8 <T | 0.2 <W | -9.0 IBT | 0.2 <W | 0.2 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | 1.0 <T | 0.5 <T | 0.3 <T | 3.1 IO | 1.0 <T | 0.1 <W | -9.0 IBT | 0.5 <T | 0.2 <T |
| 1,3-Butadiene | 0.2 <T | 0.1 <W | 0.2 <T | 0.2 <T | 0.4 <T | 0.2 <W | -9.0 IBT | 0.1 <W | 0.2 <T |
| Cyclohexane | 0.3 <T | 0.2 <T | 0.2 <T | 0.5 <T | 0.5 <T | 0.1 <W | -9.0 IBT | 0.1 <W | 0.2 <T |
| Hexane | 23.6 | 4.8 | 17.2 | 3.5 | 32.6 IO | 0.6 <T | -9.0 IBT | 5.2 | 17.6 |
| 1,3,5-Trimethylbenzene | 0.5 <T | 0.3 <T | 0.2 <T | 1.3 | 0.7 <T | 0.1 <W | -9.0 IBT | 0.3 <T | 0.1 <W |
| Mip-Xylene | 3.7 | 1.6 | 1.4 | 7.0 IO | 3.7 | 0.4 <T | -9.0 IBT | 1.3 | 0.7 <T |
| Styrene | 0.4 <T | 0.2 <T | 0.1 <W | 0.6 <T | 0.6 <T | 0.1 <W | -9.0 IBT | 0.2 <T | 0.1 <W |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 1.2 <T | 0.3 <W | 0.3 <W | -9.0 IBT | 0.3 <W | 0.6 <T |
| Isoprene | 0.8 <T | 1.5 | 1.3 | 0.2 <T | 0.2 <T | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IBT | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 4.0 | 2.3 <T | 0.3 <W | -9.0 IBT | 1.4 <T | 0.3 <W |
| Chloromethane | 0.1 <W | 0.8 <T | 0.1 <W | 0.6 <T | 0.6 <T | 0.5 <T | -9.0 IBT | 0.4 <T | 0.2 <T |
| 1,1-Dichloroethene | 0.6 <T | 0.1 <W | 0.1 <W | 0.7 <T | 1.0 <T | 0.1 <W | -9.0 IBT | 0.3 <T | 0.4 <T |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.2 <T | 0.4 <T | 0.1 <W | 0.8 <T | 0.5 <T | 0.1 <W | -9.0 IBT | 0.1 <W | -9.0 IEF |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds

(ug/m**3)

Station: 17007 - Windsor - Wright & Water Sts.

Date : 20-Dec-91
Field Comment :
Office Comment :
Flow Rate (ml/min) : 25.00
Volume (litres) : 36.00

| Compound Name | |
|---------------------------|--------|
| Naphthalene | 0.1 <W |
| Dichloromethane | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W |
| 1,1,1-Trichloroethane | 1.2 |
| 1,2-Dichloroethane | 0.1 <W |
| Carbon tetrachloride | 0.8 <W |
| Benzene | 1.4 |
| Trichloroethylene | 0.3 <T |
| Toluene | 3.3 |
| 1,1,2-Trichloroethane | 0.1 <W |
| Tetrachloroethylene | 0.6 <T |
| Chlorobenzene | 0.1 <W |
| Ethylbenzene | 0.8 <T |
| O-Xylene | 0.8 <T |
| 1,1,2,2-Tetrachloroethane | 0.2 <W |
| 1,3-Dichlorobenzene | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W |
| 1,2,4-Trimethylbenzene | 1.0 <T |
| 1,3-Butadiene | 0.1 <W |
| Cyclohexane | 0.4 <T |
| Hexane | 17.1 |
| 1,3,5-Trimethylbenzene | 0.4 <T |
| m+p-Xylene | 2.2 |
| Styrene | 0.4 <T |
| 1,2-Dibromoethane | 0.1 <W |
| Trichloromethane | 0.3 <W |
| Isoprene | 0.1 <W |
| Acrylonitrile | 0.3 <W |
| Bromodichloromethane | 1.8 <T |
| Chloromethane | 0.5 <T |
| 1,1-Dichloroethene | 0.3 <T |
| Vinylchloride | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W |
| 1,4-Dichlorobenzene | 0.3 <T |

12008 - Windsor: University Avenue

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³•3)

Station: 12008 - Windsor - University Ave.

| | 06-Jan-91 | | 30-Jan-91 | | 11-Feb-91 | | 23-Feb-91 | | 07-Mar-91 | | 19-Mar-91 | | 31-Mar-91 | | 12-Apr-91 | | 24-Apr-91 | |
|---------------------------|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|
| Date : | 06-Jan-91 | | 30-Jan-91 | | 11-Feb-91 | | 23-Feb-91 | | 07-Mar-91 | | 19-Mar-91 | | 31-Mar-91 | | 12-Apr-91 | | 24-Apr-91 | |
| Field Comment : | | | | | | | | | | | | | | | | | | |
| Office Comment : | | | | | | | | | | | | | | | | | | |
| Flow Rate (mL/min) : | 25.00 | | 25.00 | | 25.00 | | 25.00 | | 25.00 | | 25.00 | | 25.00 | | 25.00 | | 25.00 | |
| Volume (litres) : | 36.00 | | 36.00 | | 36.00 | | 36.00 | | 36.00 | | 36.00 | | 36.00 | | 36.00 | | 36.00 | |
| | | | | | | | | | | | | | | | | | | |
| Compound Name | | | | | | | | | | | | | | | | | | |
| Napthalene | 0.5 | <T | 0.1 | <W | 0.4 | <T | 0.6 | <T | 0.3 | <T | 0.3 | <T | 0.1 | <W | 0.1 | <W | 0.4 | <T |
| Dichloromethane | 1.0 | <T | 2.6 | | 1.5 | <T | 1.1 | <T | 0.6 | <T | 0.9 | <T | 18.9 | IO | 0.8 | <T | 1.0 | <T |
| 1,1-Dichloroethane | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W |
| 1,1,1-Trichloroethane | 3.9 | | 4.4 | | 5.0 | | 2.2 | | 5.1 | | 4.5 | | 1.6 | | 1.0 | <T | 2.8 | |
| 1,1,2-Trichloroethane | 0.8 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W |
| 1,2-Dichloroethane | 0.8 | <W | 0.8 | <W | 0.8 | <W | 0.8 | <W | 0.8 | <W | 0.8 | <W | 0.8 | <W | 0.8 | <W | 0.8 | <W |
| Carbon tetrachloride | 4.1 | | 3.3 | | 1.8 | | 1.6 | | 1.4 | | 2.0 | | 1.9 | | 1.4 | | 3.7 | |
| Benzene | 1.1 | | 0.9 | <T | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.8 | <T |
| Trichloroethylene | 7.9 | | 6.9 | | 2.9 | | 2.8 | | 2.5 | | 3.8 | | 3.7 | | 2.8 | | 7.8 | |
| Toluene | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W |
| 1,1,2-Trichloroethane | 1.2 | | 1.2 | | 0.6 | <T | 0.4 | <T | 0.7 | <T | 0.8 | <T | 0.3 | <T | 1.1 | <W | 0.9 | <T |
| Tetrachloroethylene | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W |
| Chlorobenzene | 1.4 | | 1.2 | | 0.6 | <T | 0.5 | <T | 0.6 | <T | 0.9 | <T | 1.2 | | 0.5 | <T | 1.6 | |
| Ethylbenzene | 1.7 | | 1.5 | | 0.8 | <T | 0.6 | <T | 0.9 | <T | 1.2 | | 1.3 | | 0.5 | <T | 1.5 | |
| O-Xylene | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W |
| 1,1,2,2-Tetrachloroethane | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W |
| 1,3-Dichlorobenzene | 2.0 | | 0.1 | <W | 0.1 | <W | 2.0 | | 5.0 | | 6.3 | | 0.1 | <W | 1.5 | | 1.4 | |
| 1,2-Dichlorobenzene | 4.3 | | 3.3 | | 3.6 | | 2.5 | | 3.8 | | 5.2 | | 0.9 | | 2.0 | | 3.6 | |
| 1,3-Butadiene | 0.2 | <T | 0.2 | <T | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W |
| Cyclohexane | 0.4 | <T | 0.3 | <T | 0.2 | <T | 0.2 | <T | 1.0 | <T | 0.3 | <T | 0.3 | <T | 1.0 | <T | 0.4 | <T |
| Hexane | 3.1 | | 3.4 | | 1.2 | | 1.2 | | 1.0 | <T | 1.4 | | 1.8 | | 1.0 | <T | 2.7 | |
| 1,3,5-Trimethylbenzene | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.5 | <T | 0.1 | <W | 0.1 | <W |
| m-PP-xylene | 4.2 | | 4.2 | | 2.0 | | 1.5 | | 2.2 | | 2.9 | | 3.6 | | 1.6 | | 5.0 | |
| Styrene | 0.3 | <T | 0.3 | <T | 0.2 | <T | 0.4 | <T | 0.1 | <W | 0.3 | <T | 0.2 | <T | 0.1 | <W | 0.3 | <T |
| 1,2-Dibromoethane | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W |
| Trichloromethane | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W |
| Isoprene | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.2 | <T | 0.1 | <W | 0.1 | <W | 0.1 | <W |
| Acrylonitrile | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W |
| Bromodichloromethane | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W | 0.3 | <W |
| Chloromethane | 1.2 | | 0.9 | <T | 0.9 | <T | 0.7 | <T | 0.6 | <T | 0.9 | <T | 0.5 | <T | 0.6 | <T | 0.6 | <T |
| 1,1-Dichloroethene | 0.1 | <W | 0.1 | <W | 1.3 | | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W |
| Vinylchloride | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W |
| 1,2-Dichloropropane | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 1.5 | | 0.4 | <T | 0.2 | <T | 0.1 | <W | 0.1 | <W |
| cis-1,3-Dichloropropene | 0.9 | <T | 0.9 | <T | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.7 | <T | 0.9 | <T | 0.1 | <W | 1.0 | <T |
| 1,4-Dichlorobenzene | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.1 | <W | 0.6 | <T | 0.1 | <W | 1.7 | |

----- Compound Name -----

| | | | | | | | | | |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Raphthalene | 0.4 <T | 0.2 <T | 0.1 <W | 0.1 <W | 1.7 | 0.1 <W | 1.4 | 0.1 <W | 0.3 <T |
| Dichloromethane | 0.2 <W | 1.6 <T | 1.5 <T | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 1.4 <W | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 1.8 | 1.5 | 1.9 | 1.3 | 4.3 | 0.1 <W | 2.7 | 3.2 | 1.6 |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbontetrachloride | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W |
| Benzene | 3.3 | 1.4 | 2.1 | 1.5 | 4.1 | 0.1 <W | 1.9 | 2.5 | 3.7 |
| Trichloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.2 <T |
| Toluene | 2.6 | 2.8 | 4.3 | 3.7 | 9.0 | 0.1 <W | 3.5 | 11.0 | 15.7 IO |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.1 <W | 0.4 <T | 1.5 | 0.5 <T | 0.8 <T | 0.1 <W | 0.9 | 1.9 | 1.8 |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | 0.4 <T | 0.5 <T | 0.3 <T | 0.6 <T | 2.3 | 0.5 <T | 0.5 | 2.1 | 2.8 |
| O-xylene | 0.5 <T | 0.6 <T | 0.3 <T | 0.7 <T | 2.3 | 0.6 <T | 1.6 | 2.2 | 2.9 |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 3.5 | 0.2 <W | 3.3 | 2.2 | 0.2 <W |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.6 | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.8 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.8 <T | 0.1 <W | 1.0 | 2.9 | 1.0 <T |
| 1,2,4-Trimethylbenzene | 1.3 | 1.0 <T | 1.0 <T | 1.0 <T | 2.1 | 0.7 <T | 0.2 | 0.3 <T | 3.0 |
| 1,3-Butadiene | 0.1 <W | 0.1 <W | 0.6 <T | 0.2 <T | 0.1 <W | 0.3 <T | 0.3 | 0.4 <T | 0.1 <W |
| Cyclohexane | 0.1 <W | 0.3 <T | 0.1 <W | 0.6 <T | 3.1 | 1.4 | 2.5 | 3.2 | 3.9 |
| Hexane | 0.8 <T | 1.2 | 1.2 | 1.4 | 0.7 <T | 0.1 <W | 0.1 | 0.1 <W | 0.3 <T |
| 1,3-Trimethylbenzene | 0.1 <W | 0.2 <T | 0.1 <W | 0.4 <T | 6.4 | 1.8 | 5.7 | 6.7 | 9.1 |
| MtP-Xylene | 1.4 | 1.5 | 0.9 <T | 1.8 | 1.0 <T | 0.3 <T | 0.4 | 0.4 | 0.4 |
| Styrene | 0.2 <T | 0.1 <W | 0.2 <T | 0.2 <T | 1.0 <T | 0.1 <W | 0.1 | 0.1 <W | 0.1 <W |
| 1,2-Dibromethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <W | 0.3 <W | 0.3 | 1.1 | 0.8 <T |
| Trichloromethane | 0.3 <W | 0.3 <W | 1.1 <T | 0.2 <T | 0.3 <T | 0.2 <T | 0.5 | 0.5 | 0.5 |
| Isoprene | 0.1 <W | 0.1 <W | 0.5 <T | 0.2 <T | 0.3 <T | 0.3 <W | 0.3 | 0.3 | 0.3 |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 | 0.3 | 0.3 |
| Bromodichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 1.7 <T | 0.3 <W | 0.3 <W | 0.3 | 1.9 | 1.3 |
| Chloromethane | 0.9 <T | 0.5 <T | 0.5 <T | 0.4 <T | 0.8 <T | 0.9 <T | 0.3 | 0.1 <W | 0.1 <W |
| 1,1-Dichloroethene | 0.1 <W | 0.1 <W | 0.4 <T | 0.8 <T | 0.8 <T | 0.1 <W | 0.1 | 1.3 | 0.1 <W |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.9 <T | 0.1 <W | 0.1 <W | 0.7 <T | 0.1 <W | 0.1 | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.4 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 1.0 <T | 1.3 | 0.2 <T | 0.4 <T | 0.8 <T | 0.1 <W | 0.1 | 0.1 <W | 0.1 <W |

| | | | | | | | | |
|-------------------------|--------|--------|----------|--------|--------|--------|--------|--------|
| Chloromethane | 0.8 <T | 0.4 <T | -9.0 IEF | 0.5 <T | 0.6 <T | 0.4 | 0.3 <T | 3.2 |
| 1,1-Dichloroethene | 1.0 <T | 0.1 <W | -9.0 IEF | 0.3 <T | 1.2 | 0.6 <T | 1.0 | 2.8 IO |
| Vinylchloride | 0.1 <W | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 | AIN |

15016 - London: Commissioners Road East

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³*3)

Station: 15016 - London - Commissioners Rd. East

| Compound Name | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | |
|---------------------------|-----------------|--------|-----------------|--------|-----------------------------------|-------------------|-----------------|--------|-----------------------------------|-------------------|-----------------|--------|-----------------------------------|-------------------|
| | Field Comment : | SV | Field Comment : | SV | Flow Rate (m ³ /min) : | Volume (litres) : | Field Comment : | SV | Flow Rate (m ³ /min) : | Volume (litres) : | Field Comment : | SV | Flow Rate (m ³ /min) : | Volume (litres) : |
| Naphthalene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| Dichloromethane | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 25.00 | 36.00 | 0.2 <W | 0.2 <W | 25.00 | 36.00 | 0.2 <W | 0.2 <W | 25.00 | 36.00 |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| 1,1,1-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| Carbon tetrachloride | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 25.00 | 36.00 | 0.8 <W | 0.8 <W | 25.00 | 36.00 | 0.8 <W | 0.8 <W | 25.00 | 36.00 |
| Benzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| Trichloroethylene | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 25.00 | 36.00 | 0.2 <W | 0.2 <W | 25.00 | 36.00 | 0.2 <W | 0.2 <W | 25.00 | 36.00 |
| Toluene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| Tetrachloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| Ethylbenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| O-Xylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| 1,1,2,2-Tetrachloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| 1,2,4-Trimethylbenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| 1,3-Butadiene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| Cyclohexane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| Hexane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| 1,3,5-Trimethylbenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| m+p-xylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| Styrene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| Trichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 25.00 | 36.00 | 0.3 <W | 0.3 <W | 25.00 | 36.00 | 0.3 <W | 0.3 <W | 25.00 | 36.00 |
| Isoprene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 25.00 | 36.00 | 0.3 <W | 0.3 <W | 25.00 | 36.00 | 0.3 <W | 0.3 <W | 25.00 | 36.00 |
| Bromodichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 25.00 | 36.00 | 0.3 <W | 0.3 <W | 25.00 | 36.00 | 0.3 <W | 0.3 <W | 25.00 | 36.00 |
| Chloromethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| 1,1-Dichloroethene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |
| 1,4-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 | 0.1 <W | 0.1 <W | 25.00 | 36.00 |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds

(ug/m³)

Station: 15016 - London - Commissioners Rd. East

Date : 22-Aug-91 03-Sep-91 15-Sep-91 09-Oct-91 21-Oct-91 02-Nov-91 06-Nov-91 13-Nov-91 14-Nov-91
Field Comment :
Office Comment :
Flow Rate (ml/min) : 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00
Volume (litres) : 36.00 36.00 36.00 36.00 36.00 37.30 33.70 35.82 35.80 35.70

| Compound Name | 22-Aug-91 | 03-Sep-91 | 15-Sep-91 | 09-Oct-91 | 21-Oct-91 | 02-Nov-91 | 06-Nov-91 | 13-Nov-91 | 14-Nov-91 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Naphthalene | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.6 <T | 0.4 AIN | 0.1 <W | 0.1 <W | 0.1 <W |
| Dichloromethane | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.5 <T | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 0.1 <W | 0.4 <T | 0.5 <T | 0.4 <T | 1.0 <T | 0.3 <T | 0.7 <T | 1.9 | 1.8 |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbontetrachloride | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 7.3 <T | 1.8 <T | 0.8 <W | 0.8 <W | 0.8 <W |
| Benzene | 1.2 <W | 0.3 <T | 0.3 <T | 0.4 <T | 0.9 <T | 0.3 <T | 0.6 <T | 1.8 IO | 1.1 |
| Trichloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.7 <T | 0.9 <T | 0.2 <T | 0.5 <T | 0.3 <T |
| Toluene | 0.1 <T | 0.6 <T | 0.6 <T | 1.3 | 2.0 | 2.6 | 1.0 <T | 4.6 IO | 2.4 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 1.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 3.3 AIN | 1.6 IO | 0.3 <T | 0.5 <T | 0.4 <T |
| Chlorobenzene | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | -9.0 IEF | 0.2 <T | 0.1 <W | 0.3 | 1.0 AIN | 1.5 AIN | 0.5 <T | 1.3 | 0.8 <T |
| O-Xylene | -9.0 IEF | 0.2 <T | 0.1 <W | 0.2 | 1.4 AIN | 1.4 AIN | 0.6 <T | 1.4 | 0.9 <T |
| 1,1,2,2-Tetrachloroethane | -9.0 IEF | 0.2 <W | 0.2 <W | 0.2 <W | 0.4 AIN | 0.2 <W | 0.2 <W | 0.5 <T | 0.2 <W |
| 1,3-Dichlorobenzene | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 1.8 AIN | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,3,5-Trimethylbenzene | -9.0 IEF | 0.2 <T | 0.1 <W | 0.3 | 0.8 AIN | 2.7 AIN | 1.2 | 1.5 | 0.8 <T |
| 1,3-Butadiene | 0.3 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T | 0.2 <T | 0.1 <W | 0.2 <T | 0.2 <T |
| Cyclohexane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.2 <T | 0.1 <W | 0.3 <T | 0.2 <T |
| Hexane | 2.3 | 0.3 | 0.3 | 0.6 | 1.4 | 1.1 | 0.6 | 2.0 | 1.1 |
| 1,3,5-Trimethylbenzene | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.9 AIN | 0.1 <W | 0.3 <T | 0.9 <T | 0.3 <T |
| Mt-Xylene | -9.0 IEF | 0.5 <T | 0.3 <T | 0.8 | 2.0 AIN | 3.8 AIN | 2.0 | 4.1 | 2.6 |
| Styrene | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 1.4 AIN | 0.3 AIN | 0.1 <W | 0.6 <T | 0.2 <T |
| 1,2-Dibromoethane | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.8 <T | 0.7 <T | 0.3 <W | 0.5 <T | 0.3 <W |
| Isoprene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T | 0.3 <T | 0.1 <W | 0.2 <T | 0.1 <W |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.8 <T | 0.8 <T | 0.3 <W | 1.9 <T | 1.0 <T |
| Chloromethane | 0.1 <W | 0.1 <W | 0.4 <T | 0.1 <W | 0.5 <T | 0.5 <T | 0.5 <T | 1.2 <T | 0.3 <T |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.4 <T | 0.1 <W | 0.1 <W | 0.3 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 8.8 | 5.4 | 0.1 <W | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 1.3 | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.6 <T | 3.8 AIN | 0.2 <T | 0.2 <T | 0.1 <W |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m**3)

Station: 15016 - London - Commissioners Rd. East

| Compound Name | 27-Nov-91 | | 03-Dec-91 | | 04-Dec-91 | | 08-Dec-91 | | 20-Dec-91 | |
|---------------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|
| | Date : | | Date : | | Date : | | Date : | | Date : | |
| | Field Comment : | | Field Comment : | | Field Comment : | | Field Comment : | | Field Comment : | |
| | Flow Rate (ml/min) : | Volume (litres) : | Flow Rate (ml/min) : | Volume (litres) : | Flow Rate (ml/min) : | Volume (litres) : | Flow Rate (ml/min) : | Volume (litres) : | Flow Rate (ml/min) : | Volume (litres) : |
| | 25.00 | 35.25 | 25.00 | 35.70 | 25.00 | 35.25 | 25.00 | 35.80 | 25.00 | 37.00 |
| Naphthalene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Dichloromethane | 0.2 <W | 2.4 | 0.2 <W | 0.2 <W | 0.2 <W | 3.2 | 0.2 <W | 0.2 <W | 0.2 <W | -9.0 IHT |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| 1,1,1-Trichloroethane | 0.5 <T | 0.3 <T | 0.6 <T | 0.3 <T | 0.3 <T | 0.8 <T | 0.4 <T | 0.4 <T | 0.4 <T | -9.0 IHT |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Carbon tetrachloride | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | -9.0 IHT |
| Benzene | 0.7 <T | 0.5 <T | 0.3 <T | 0.3 <T | 0.7 <T | 0.3 <T | 0.8 <T | 0.8 <T | 0.8 <T | -9.0 IHT |
| Trichloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T | 0.4 <T | 0.4 <T | 0.4 <T | -9.0 IHT |
| Toluene | 0.9 <T | 1.4 | 1.2 | 1.3 | 1.3 | 1.3 | 1.8 | 1.8 | 1.8 | -9.0 IHT |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Tetrachloroethylene | 0.1 <W | 0.2 <T | 0.5 <T | 0.5 <T | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T | -9.0 IHT |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Ethylbenzene | 0.4 <T | 0.6 <T | 0.8 <T | 0.4 <T | 0.4 <T | 1.6 IO | 0.5 <T | 0.5 <T | 0.5 <T | -9.0 IHT |
| O-xylene | 0.5 <T | 0.5 <T | 0.9 <T | 0.2 <T | 0.2 <T | 2.0 IO | 0.7 <T | 0.7 <T | 0.7 <T | -9.0 IHT |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | -9.0 IHT |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 2.6 AIN | 0.1 <W | 0.1 <W | 1.8 AIN | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| 1,2,4-Trimethylbenzene | 0.2 <T | 0.2 <T | 2.5 AIN | 0.3 <T | 0.3 <T | 3.7 AIN | 1.2 | 1.2 | 1.2 | -9.0 IHT |
| 1,3-Butadiene | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Cyclohexane | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Hexane | 0.6 <T | 0.6 <T | 0.3 <T | 0.3 <T | 0.7 <T | 15.6 IO | 1.1 | 1.1 | 1.1 | -9.0 IHT |
| 1,3,5-Trimethylbenzene | 0.3 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| MIP-xylene | 1.5 | 1.9 | 2.1 | 0.7 <T | 0.7 <T | 6.2 IO | 0.4 | 0.4 | 0.4 | -9.0 IHT |
| Styrene | 0.2 <T | 0.1 <W | 1.5 IO | 0.1 <W | 0.1 <W | 0.6 <T | 0.2 <T | 0.2 <T | 0.2 <T | -9.0 IHT |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Trichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IHT |
| Isoprene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IHT |
| Bromodichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IHT |
| Chloromethane | -9.0 IEF | 0.2 <T | 0.1 <W | 0.1 <W | 0.5 <T | 79.5 IO | 0.6 <T | 0.6 <T | 0.6 <T | -9.0 IHT |
| 1,1-Dichloroethene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | -9.0 IHT |
| Vinylchloride | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| 1,2-Dichloropropane | 0.1 <W | 0.4 <T | 2.4 | 0.6 <T | 0.6 <T | 0.6 <T | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| 1,4-Dichlorobenzene | 0.1 <W | 0.1 <W | 6.2 AIN | 0.1 <W | 0.1 <W | 3.4 AIN | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |

PART IV:

WEST CENTRAL REGION AMBIENT AIR CONCENTRATION RESULTS

29000 - Hamilton: Kelly and Elgin

Ontario Ministry Of The Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³ ± 3)

Station: 29000 - Hamilton - Kelly & Elgin

| Compound Name | 06-Jan-91 | | 18-Jan-91 | | 30-Jan-91 | | 23-Feb-91 | | 07-Mar-91 | |
|---------------------------|----------------------|--------|-----------------|--------|-----------------|----------|-----------------|--------|-----------------|----------|
| | Date : | | Date : | | Date : | | Date : | | Date : | |
| | Field Comment : | D | Field Comment : | D | Field Comment : | D | Field Comment : | D | Field Comment : | D |
| | Flow Rate (ml/min) : | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| | Volume (litres) : | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| ----- | | | | | | | | | | |
| Dichloromethane | | 0.4 <T | 0.2 <T | 0.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.2 <W | 0.2 <T | -9.0 IIA |
| 1,1-Dichloroethane | | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | -9.0 IIA | 0.2 <W | 0.2 <W | 0.5 <T | -9.0 IIA |
| 1,1,1-Trichloroethane | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |
| 1,2-Dichloroethane | | 2.3 | 1.0 <T | 1.6 | 1.3 | -9.0 IIA | 0.6 <T | 1.4 | 1.4 | -9.0 IIA |
| Carbon tetrachloride | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |
| Benzene | | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | -9.0 IIA | 0.8 <W | 0.8 <W | 0.8 <W | -9.0 IIA |
| Trichloroethylene | | 4.1 | 3.7 | 2.1 | 1.7 | -9.0 IIA | 1.6 | 2.6 | 2.6 | -9.0 IIA |
| Toluene | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |
| 1,1,2-Trichloroethane | | 7.2 | 5.8 | 4.0 | 3.2 | -9.0 IIA | 3.0 | 3.2 | 3.2 | -9.0 IIA |
| Tetrachloroethylene | | 1.0 <T | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |
| Chlorobenzene | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |
| Ethylbenzene | | 1.2 | 1.0 <T | 0.7 <T | 0.5 <T | -9.0 IIA | 0.4 <T | 0.9 <T | 0.9 <T | -9.0 IIA |
| O-xylene | | 1.4 | 1.1 | 0.9 <T | 0.7 <T | -9.0 IIA | 0.5 <T | 0.8 <T | 0.8 <T | -9.0 IIA |
| 1,1,2,2-Tetrachloroethane | | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | -9.0 IIA | 0.2 <W | 0.2 <W | 0.2 <W | -9.0 IIA |
| 1,3-Dichlorobenzene | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |
| 1,2-Dichlorobenzene | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |
| 1,2,4-Trimethylbenzene | | 2.7 | 2.0 | 1.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |
| 1,3-Dimethylbenzene | | 0.2 <T | 0.3 <T | 0.1 <W | 0.1 <W | -9.0 IIA | 0.2 <T | 0.1 <W | 0.1 <W | -9.0 IIA |
| Cyclohexane | | 0.5 <T | 0.3 <T | 0.4 <T | 0.3 <T | -9.0 IIA | 0.2 <T | 0.2 <T | 0.2 <T | -9.0 IIA |
| Hexane | | 3.1 | 2.5 | 1.5 | 1.3 | -9.0 IIA | 1.1 | 6.6 | 6.6 | -9.0 IIA |
| 1,3,5-Trimethylbenzene | | 0.7 <T | 0.5 <T | 0.4 <T | 0.3 <T | -9.0 IIA | 0.2 <T | 0.4 <T | 0.4 <T | -9.0 IIA |
| m-P-xylene | | 3.7 | 2.6 | 2.2 | 1.8 | -9.0 IIA | 1.3 | 2.6 | 2.6 | -9.0 IIA |
| Styrene | | 0.3 <T | 0.2 <T | 0.1 <W | 0.2 <T | -9.0 IIA | 0.2 <T | 0.2 <T | 0.2 <T | -9.0 IIA |
| 1,2-Dibromochloroethane | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |
| Trichloromethane | | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IIA | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IIA |
| Isoprene | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |
| Bromodichloromethane | | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IIA | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IIA |
| Chloromethane | | 0.6 <T | 0.6 <T | 0.6 <T | 0.6 <T | -9.0 IIA | 0.6 <T | 0.6 <T | 0.6 <T | -9.0 IIA |
| 1,1-Dichloroethane | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |
| Vinylchloride | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |
| 1,2-Dichloropropane | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |
| 1,1,1,3,5-Dichloropropene | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |
| 1,4-Dichlorobenzene | | 0.6 <T | 0.7 <T | 0.1 <W | 0.3 <T | -9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA |

Ontario Ministry of The Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³*3)

Station: 29000 - Hamilton - Kelly & Elgin

| Date : | 07-Mar-91 | 19-Mar-91 | 31-Mar-91 | 06-Apr-91 | 18-Apr-91 | 18-Apr-91 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Field Comment : | D | D | D | D | D | D |
| Office Comment : | | | | | | |
| Flow Rate (ml/min) : | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| Volume (litres) : | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| Compound Name | D | D | D | D | D | D |
| Naphthalene | 0.4 <T | -9.0 IBT | 0.1 <W | 0.1 <W | 0.1 <W | 0.4 <T |
| Dichloromethane | 0.6 <T | -9.0 IBT | 0.8 <T | 0.2 <W | 0.2 <W | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 1.3 | -9.0 IBT | 0.1 <W | 1.2 | 1.1 | 1.6 |
| 1,2-Dichloroethane | 0.1 <W | -9.0 IBT | 0.3 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | 0.8 <W | -9.0 IBT | 0.8 <W | 0.8 <W | 0.8 <W | 2.7 <T |
| Benzene | 1.4 | -9.0 IBT | 0.9 <T | 1.9 | 1.3 | 4.2 |
| Trichloroethylene | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W | 0.1 <W | 4.8 |
| Toluene | 2.5 | -9.0 IBT | 3.1 | 2.4 | 2.0 | 8.4 |
| 1,1,2-Trichloroethane | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W | 0.1 <W | 9.0 |
| Tetrachloroethylene | 1.0 <T | -9.0 IBT | 1.0 <T | 0.6 <T | 0.5 <T | 1.4 |
| Chlorobenzene | 0.2 <T | -9.0 IBT | 0.1 <W | 0.1 <W | 0.1 <W | 1.5 |
| Ethylbenzene | 0.6 <T | -9.0 IBT | 0.7 <T | 0.4 <T | 0.3 <T | 1.5 |
| O-xylene | 0.7 <T | -9.0 IBT | 0.8 <T | 0.5 <T | 0.4 <T | 1.7 |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | -9.0 IBT | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W |
| 1,3-Dichlorobenzene | 1.9 | -9.0 IBT | 1.4 | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | 1.3 | -9.0 IBT | 1.1 | 0.8 <T | 0.5 <T | 2.0 |
| 1,3-Butadiene | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Cyclohexane | 0.1 <W | -9.0 IBT | 0.5 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| Hexachlorocyclopentadiene | 0.8 <T | -9.0 IBT | 1.2 | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,5-Trimethylbenzene | 0.1 <W | -9.0 IBT | 0.4 <T | 0.2 <T | 0.2 <T | 3.6 |
| Methyl-xylene | 1.6 | -9.0 IBT | 1.9 | 1.1 | 0.9 <T | 5.0 |
| Styrene | 0.4 <T | -9.0 IBT | 0.3 <T | 0.2 <T | 0.2 <T | 4.8 |
| 1,2-Dibromomethane | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | -9.0 IBT | 1.2 <T | 0.3 <W | 0.3 <W | 0.3 <W |
| Isoprene | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Acrylonitrile | 0.3 <W | -9.0 IBT | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 0.3 <W | -9.0 IBT | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Chloromethane | 0.9 <T | -9.0 IBT | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| 1,1-Dichloroethene | 0.1 <W | -9.0 IBT | 0.7 <T | 0.6 <T | 0.5 <T | 0.5 <T |
| Vinylchloride | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | -9.0 IBT | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W | 0.1 <W | 1.0 <T |
| 1,4-Dichlorobenzene | 0.1 <W | -9.0 IBT | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T |

Ontario Ministry of The Environment
Ambient Air Concentrations of Volatile Organic Compounds

(ug/m³ × 3)

Station: 29000 - Hamilton - Kelly & Elgin

| Compound Name | 30-Apr-91 | | 30-Apr-91 | | 08-May-91 | | 11-Jun-91 | | 11-Jun-91 | | 23-Jun-91 | | 23-Jun-91 | | 05-Jul-91 | | 05-Jul-91 | |
|---------------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | N | ND | N | ND | N | ND | N | ND | N | ND | N | ND | N | ND | N | ND | N | ND |
| Naphthalene | 1.0 <T | 1.9 | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.8 <T | -9.0 IAW | 0.7 <T | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| Dichloromethane | 0.2 <W | 0.2 <W | -9.0 IIV | 0.8 <T | -9.0 IIV | 0.8 <T | -9.0 IAW | 0.9 <T | -9.0 IAW | 0.2 <W | -9.0 IAW | 0.2 <W | -9.0 IAW | 0.2 <W | -9.0 IAW | 0.2 <W | -9.0 IAW | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| 1,1,1-Trichloroethane | 0.5 <T | 1.0 <T | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| 1,2-Dichloroethane | 0.8 <W | 3.2 <T | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| Carbon tetrachloride | 4.8 | 4.8 | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| Benzene | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| Trichloroethylene | 6.7 | 6.1 | -9.0 IIV | 5.7 | -9.0 IIV | 5.7 | -9.0 IAW | 5.2 | -9.0 IAW | 5.2 | -9.0 IAW | 5.2 | -9.0 IAW | 5.2 | -9.0 IAW | 5.2 | -9.0 IAW | 5.2 |
| Toluene | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| 1,1,2-Trichloroethane | 2.2 | 2.3 | -9.0 IIV | 10.6 | -9.0 IIV | 10.6 | -9.0 IAW | 0.6 <T | -9.0 IAW | 0.6 <T | -9.0 IAW | 0.6 <T | -9.0 IAW | 0.6 <T | -9.0 IAW | 0.6 <T | -9.0 IAW | 0.6 <T |
| Tetrachloroethylene | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| Chlorobenzene | 1.9 | 1.9 | -9.0 IIV | 0.9 <T | -9.0 IIV | 0.9 <T | -9.0 IAW | 1.5 | -9.0 IAW | 1.5 | -9.0 IAW | 1.5 | -9.0 IAW | 1.5 | -9.0 IAW | 1.5 | -9.0 IAW | 1.5 |
| Ethylbenzene | 1.7 | 1.8 | -9.0 IIV | 1.1 | -9.0 IIV | 1.1 | -9.0 IAW | 1.2 | -9.0 IAW | 1.2 | -9.0 IAW | 1.2 | -9.0 IAW | 1.2 | -9.0 IAW | 1.2 | -9.0 IAW | 1.2 |
| O-xylene | 0.2 <W | 0.2 <W | -9.0 IIV | 0.2 <W | -9.0 IIV | 0.2 <W | -9.0 IAW | 0.2 <W | -9.0 IAW | 0.2 <W | -9.0 IAW | 0.2 <W | -9.0 IAW | 0.2 <W | -9.0 IAW | 0.2 <W | -9.0 IAW | 0.2 <W |
| 1,1,2,2-Tetrachloroethane | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| 1,3-Dichlorobenzene | 0.1 <W | 0.7 <T | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| 1,2-Dichlorobenzene | 3.3 | 3.9 | -9.0 IIV | 1.1 <W | -9.0 IIV | 1.1 <W | -9.0 IAW | 1.5 | -9.0 IAW | 1.5 | -9.0 IAW | 1.5 | -9.0 IAW | 1.5 | -9.0 IAW | 1.5 | -9.0 IAW | 1.5 |
| 1,2,4-Trimethylbenzene | 0.1 <W | 0.2 <T | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T |
| 1,3-Butadiene | 0.3 <T | 0.4 <T | -9.0 IIV | 0.3 <T | -9.0 IIV | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T |
| Cyclohexane | 4.1 | 3.9 | -9.0 IIV | 1.8 | -9.0 IIV | 1.8 | -9.0 IAW | 12.9 | -9.0 IAW | 12.9 | -9.0 IAW | 12.9 | -9.0 IAW | 12.9 | -9.0 IAW | 12.9 | -9.0 IAW | 12.9 |
| Hexane | 1.0 <T | 1.1 | -9.0 IIV | 0.3 <T | -9.0 IIV | 0.3 <T | -9.0 IAW | 0.6 <T | -9.0 IAW | 0.6 <T | -9.0 IAW | 0.6 <T | -9.0 IAW | 0.6 <T | -9.0 IAW | 0.6 <T | -9.0 IAW | 0.6 <T |
| 1,3,5-Trimethylbenzene | 5.4 | 5.8 | -9.0 IIV | 2.9 | -9.0 IIV | 2.9 | -9.0 IAW | 4.9 | -9.0 IAW | 4.9 | -9.0 IAW | 4.9 | -9.0 IAW | 4.9 | -9.0 IAW | 4.9 | -9.0 IAW | 4.9 |
| mP-xylene | 0.4 <T | 0.4 <T | -9.0 IIV | 0.4 <T | -9.0 IIV | 0.4 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T |
| Styrene | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| 1,2-Dibromoethane | 0.3 <W | 0.3 <W | -9.0 IIV | 1.4 <T | -9.0 IIV | 1.4 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T |
| Trichloromethane | 0.1 <W | 0.1 <W | -9.0 IIV | 1.2 | -9.0 IIV | 1.2 | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T | -9.0 IAW | 0.3 <T |
| Isoprene | 0.3 <W | 0.3 <W | -9.0 IIV | 0.3 <W | -9.0 IIV | 0.3 <W | -9.0 IAW | 0.3 <W | -9.0 IAW | 0.3 <W | -9.0 IAW | 0.3 <W | -9.0 IAW | 0.3 <W | -9.0 IAW | 0.3 <W | -9.0 IAW | 0.3 <W |
| Acrylonitrile | 2.6 <T | 2.3 <T | -9.0 IIV | 1.1 | -9.0 IIV | 1.1 | -9.0 IAW | 0.5 <T | -9.0 IAW | 0.5 <T | -9.0 IAW | 0.5 <T | -9.0 IAW | 0.5 <T | -9.0 IAW | 0.5 <T | -9.0 IAW | 0.5 <T |
| Bromochloromethane | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| Chloromethane | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| Vinylchloride | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| cis-1,3-Dichloropropene | 0.9 <T | 0.8 <T | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W | -9.0 IAW | 0.1 <W |
| 1,4-Dichlorobenzene | 0.7 <T | 0.8 <T | -9.0 IIV | 0.1 <W | -9.0 IIV | 0.1 <W | -9.0 IAW | 0.2 <T | -9.0 IAW | 0.2 <T | -9.0 IAW | 0.2 <T | -9.0 IAW | 0.2 <T | -9.0 IAW | 0.2 <T | -9.0 IAW | 0.2 <T |

Ontario Ministry of The Environment
Ambient Air Concentrations of Volatile Organic Compounds

(ug/m*3)

Station: 29000 - Hamilton - Kelly & Elgin

| Compound Name | 17-Jul-91 | | 29-Jul-91 | | 10-Aug-91 | | 22-Aug-91 | | 03-Sep-91 | |
|---------------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|
| | Date : | | Date : | | Date : | | Date : | | Date : | |
| | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : |
| | | 25.00 | | 25.00 | | 25.00 | | 25.00 | | 25.00 |
| | | 36.00 | | 36.00 | | 36.00 | | 36.00 | | 36.00 |
| ----- | | | | | | | | | | |
| Napthalene | | 0.1 <W | 0.1 <W | -9.0 IEF | 2.5 | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.7 <T |
| Dichloromethane | | 0.4 <T | 0.5 <T | 0.9 <T | 0.9 | 0.6 <T | 0.2 <W | 0.2 <W | 1.4 <W | 0.2 <W |
| 1,1-Dichloroethane | | 0.1 <W | 0.3 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | | 0.5 <T | -9.0 IEF | 2.2 | 3.8 | 0.9 <T | 0.8 <T | 2.0 | 2.0 | 1.3 |
| 1,2-Dichloroethane | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | | 0.8 <W | -9.0 IEF | 0.8 <W | 0.8 <W | 1.3 <T | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W |
| Benzene | | 1.2 | 1.8 | 7.5 | 7.7 | 1.6 | 1.0 <T | 1.6 | 1.7 | 3.7 |
| Trichloroethylene | | 0.1 <W | 0.3 <T | 0.3 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 1.1 |
| Toluene | | 3.7 | 3.2 | 12.9 | 13.9 | 3.8 | 4.1 <W | 4.3 | 5.1 | 11.4 |
| 1,1,2-Trichloroethane | | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | | 1.0 <T | 0.9 <T | 1.5 | 1.8 | 0.7 <T | 0.7 <T | 2.5 | 2.7 | 4.4 |
| Chlorobenzene | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | | 0.7 <T | 0.4 <T | 1.6 | 2.8 | 0.5 <T | 0.7 <T | 0.9 <T | 1.0 <T | 2.4 |
| O-xylene | | 0.7 <T | 0.5 <T | 1.8 | 2.7 | 0.6 <T | 0.8 <T | 1.0 <T | 1.0 <T | 2.6 |
| 1,1,2,2-Tetrachloroethane | | 0.2 <W | 0.2 <W | 0.2 <W | 0.7 <T | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 1.0 <T |
| 1,3-Dichlorobenzene | | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | | 1.1 | 0.5 <T | 1.1 | 3.4 | 0.4 <T | 1.1 | 1.4 | 1.4 | 3.6 |
| 1,3-Butadiene | | 0.2 <T | 0.2 <T | 0.4 <T | 0.3 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Cyclohexane | | 1.2 | -9.0 IEF | 0.7 <T | 0.9 <T | 1.2 | 0.1 <W | 1.5 | 1.6 | 4.0 |
| Hexane | | 1.2 | 8.6 | 9.7 | 9.7 | 1.2 | 1.2 | 1.5 | 1.6 | 4.0 |
| 1,3,5-Trimethylbenzene | | 0.4 <T | 0.2 <T | 0.5 <T | 1.4 | 0.2 <T | 0.4 <T | 0.5 <T | 0.5 <T | 1.4 |
| m-P-xylene | | 1.2 | 5.7 | 9.2 | 9.2 | 1.6 | 2.2 | 2.9 | 2.9 | 7.6 |
| Styrene | | 0.1 <W | 0.3 <T | 0.7 <T | 0.7 <T | 0.3 <T | 0.3 <T | 0.4 <T | 0.4 <T | 0.6 <T |
| 1,2-Dibromoethane | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | | 0.3 <W | 0.7 <T | 0.9 <T | 3.8 IO | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 1.0 <T |
| Isoprene | | 0.2 <T | 0.3 <T | 0.4 <T | 0.5 <T | 0.3 <T | 0.2 <T | 0.4 <T | 0.5 <T | 0.4 <T |
| Acrylonitrile | | 0.3 <W | 0.3 <W | 0.4 <T | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | | 0.3 <W | -9.0 IEF | 0.3 <W | 2.3 <T | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 3.5 |
| Chloromethane | | 0.3 <T | 0.4 <T | 0.5 <T | 0.1 <W | 0.1 <W | 0.4 <T | 0.1 <W | 0.3 <W | 0.6 <T |
| 1,1-Dichloroethene | | 0.1 <W | 0.5 <T | 0.1 <W | 1.7 | 0.1 <W | 0.1 <W | 0.7 <T | 0.1 <W | 1.1 |
| Vinylchloride | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | | 0.1 <W | 0.3 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.5 <T |
| cis-1,3-Dichloropropene | | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | | 0.3 <T | 2.8 IO | -9.0 IEF | 0.7 <T | 0.2 <T | 0.3 <T | 0.2 <T | 0.5 <T | 0.9 <T |

Ontario Ministry of The Environment

Ambient Air Concentrations of Volatile Organic Compounds

(ug/m*3)

Station: 29000 - Hamilton - Kelly & Elgin

| Compound Name | 03-Sep-91 | | 15-Sep-91 | | 09-Oct-91 | | 21-Oct-91 | | 28-Oct-91 | |
|---------------------------|---------------|------|--------------------|-----------------|---------------|------|--------------------|-----------------|---------------|--------|
| | Field Comment | Date | Flow Rate (ml/min) | Volume (litres) | Field Comment | Date | Flow Rate (ml/min) | Volume (litres) | Field Comment | Date |
| Naphthalene | -9.0 IAW | | 25.00 | 36.00 | 0.1 <W | | 0.1 <W | 0.1 <W | 0.1 <W | |
| Dichloromethane | 0.6 <W | | 0.1 <W | | 0.2 <W | | 0.2 <W | 0.2 <W | 0.2 <W | |
| 1,1-Dichloroethane | -9.0 IAW | | 0.1 <W | | 0.1 <W | | 0.1 <W | 0.1 <W | 0.1 <W | |
| 1,1,1-Trichloroethane | -9.0 IAW | | 1.9 | | 1.6 | | 0.7 <W | 1.8 | 0.1 <W | 1.6 |
| 1,2-Dichloroethane | -9.0 IAW | | 0.1 <W | | 0.1 <W | | 0.1 <W | 0.1 <W | 0.1 <W | |
| Carbon tetrachloride | -9.0 IAW | | 0.8 <W | | 0.8 <W | | 0.8 <W | 0.8 <W | 0.8 <W | |
| Benzene | -9.0 IAW | | 2.1 | | 2.0 | | 1.8 | 2.5 | 1.8 | 1.9 |
| Trichloroethylene | -9.0 IAW | | 0.1 <W | | 0.1 <W | | 0.1 <W | 0.1 <W | 0.2 <T | |
| Toluene | -9.0 IAW | | 5.2 | | 5.2 | | 6.1 | 9.4 | 5.3 | 5.6 |
| 1,1,2-Trichloroethane | -9.0 IAW | | 0.1 <W | | 0.1 <W | | 0.1 <W | 0.1 <W | 0.1 <W | |
| Tetrachloroethylene | -9.0 IAW | | 0.9 <T | | 3.1 | | 3.0 | 2.9 | 1.2 | 1.3 |
| Chlorobenzene | -9.0 IAW | | 0.1 <W | | 0.1 <W | | 0.1 <W | 0.1 <W | 0.1 <W | |
| Ethylbenzene | -9.0 IAW | | 1.0 <T | | 1.1 | | 1.1 | 2.0 | 0.9 <T | 0.9 <T |
| O-xylene | -9.0 IAW | | 1.0 <T | | 1.0 | | 1.3 | 2.5 | 1.0 <T | 1.0 <T |
| 1,1,2,2-Tetrachloroethane | -9.0 IAW | | 0.2 <W | | 0.2 <W | | 0.2 <W | 0.2 <W | 0.4 <T | 0.3 <T |
| 1,3-Dichlorobenzene | -9.0 IAW | | 0.1 <W | | 0.1 <W | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | -9.0 IAW | | 0.1 <W | | 0.1 <W | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | -9.0 IAW | | 1.3 | | 1.2 | | 1.5 | 2.1 | 1.4 | 1.2 |
| 1,3-Butadiene | -9.0 IEF | | 0.1 <W | | 0.2 <T | | 0.1 <W | 0.2 <T | 0.1 <W | 0.2 <T |
| Cyclohexane | -9.0 IAW | | 0.2 <T | | 0.3 <T | | 0.2 <T | 0.3 <T | 0.3 <T | 0.4 <T |
| Hexane | -9.0 IAW | | 2.3 | | 2.2 | | 2.1 | 2.4 | 14.5 | 14.2 |
| 1,3,5-Trimethylbenzene | -9.0 IAW | | 0.5 <T | | 0.5 <T | | 0.6 <T | 0.8 <T | 0.6 <T | 0.5 <T |
| MIP-xylene | -9.0 IAW | | 2.8 | | 3.5 | | 3.6 | 7.4 | 3.0 | 3.0 |
| Styrene | -9.0 IAW | | 0.4 <T | | 0.3 <T | | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T |
| 1,2-Dibromomethane | -9.0 IAW | | 0.1 <W | | 0.1 <W | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | -9.0 IAW | | 0.3 <W | | 0.3 <W | | 0.3 <W | 0.3 <W | 0.7 <T | 0.7 <T |
| Isoprene | -9.0 IAW | | 0.3 <T | | 0.2 <T | | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T |
| Acrylonitrile | -9.0 IEF | | 0.3 <W | | 0.3 <W | | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | -9.0 IAW | | 0.3 <W | | 0.3 <W | | 0.3 <W | 0.3 <W | 1.6 <T | 1.6 <T |
| Chloromethane | -9.0 IEF | | 0.5 <T | | 0.3 <T | | 0.5 <T | 0.5 <T | 0.3 <T | 0.3 <T |
| 1,1-Dichloroethene | -9.0 IAW | | 0.8 <T | | 0.8 <T | | 0.4 <W | 0.9 <T | 0.9 <T | 1.0 <T |
| Vinylchloride | -9.0 IAW | | 0.1 <W | | 0.1 <W | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | -9.0 IAW | | 0.1 <W | | 0.1 <W | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | -9.0 IAW | | 0.1 <W | | 0.1 <W | | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | -9.0 IAW | | 0.5 <T | | 0.2 <T | | 0.2 <T | 0.3 <T | 0.4 <T | 0.3 <T |

Ontario Ministry of The Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³ * 3)

Station: 29000 - Hamilton - Kelly & Elgin

| Compound Name | 14-Nov-91 | | 26-Nov-91 | | 08-Dec-91 | | 20-Dec-91 | |
|---------------------------|-----------|----------------------|-----------|---------------|-----------|---------------|-----------|---------------|
| | Date | Field Comment | Date | Field Comment | Date | Field Comment | Date | Field Comment |
| | | Flow Rate (ml/min) : | | | | | | |
| | | Volume (litres) : | | | | | | |
| Naphthalene | 0.1 <W | 0.1 <W | 9.0 IIA | 9.0 IIA | 0.1 <W | 9.0 IEF | 0.1 <W | 0.1 <W |
| Dichloromethane | 0.2 <W | 1.0 <T | 9.0 IIA | 9.0 IIA | 0.2 <W | 0.2 <W | 0.2 <W | 4.0 |
| 1,1-Dichloroethane | 0.1 <W | 2.2 | 9.0 IIA | 9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 2.9 | 3.2 | 9.0 IIA | 9.0 IIA | 0.1 <W | 0.1 <W | 0.3 <T | 0.4 <T |
| 1,2-Dichloroethane | 0.1 <W | 0.2 <T | 9.0 IIA | 9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | 12.2 IO | 0.8 <W | 9.0 IIA | 9.0 IIA | 0.8 <W | 1.3 <T | 0.8 <W | 0.8 <W |
| Benzene | 4.0 | 478.1 IO | 9.0 IIA | 9.0 IIA | 2.5 | 2.9 | 2.2 | 2.4 |
| Trichloroethylene | 0.4 <T | 0.3 <T | 9.0 IIA | 9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Toluene | 14.9 | 14.4 | 9.0 IIA | 9.0 IIA | 6.2 | 4.6 | 7.1 | 7.4 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 9.0 IIA | 9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 2.2 | 1.9 | 9.0 IIA | 9.0 IIA | 1.5 | 1.2 | 1.4 | 1.4 |
| Chlorobenzene | 0.1 <W | 0.1 <W | 9.0 IIA | 9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | 2.9 | 2.3 | 9.0 IIA | 9.0 IIA | 1.1 | 1.1 | 1.5 | 1.5 |
| O-Xylene | 3.2 | 2.6 | 9.0 IIA | 9.0 IIA | 1.1 | 9.0 IEF | 1.7 | 1.8 |
| 1,1,2,2-Tetrachloroethane | 1.2 <T | 0.3 <T | 9.0 IIA | 9.0 IIA | 0.2 <W | 9.0 IEF | 0.4 <T | 0.2 <W |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 9.0 IIA | 9.0 IIA | 0.1 <W | 9.0 IEF | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 9.0 IIA | 9.0 IIA | 0.1 <W | 9.0 IEF | 0.3 <T | 0.1 <W |
| 1,2,4-Trimethylbenzene | 3.2 | 2.3 | 9.0 IIA | 9.0 IIA | 2.0 | 9.0 IEF | 2.6 | 2.5 |
| 1,3-Butadiene | 0.4 <T | 0.0 <T | 9.0 IIA | 9.0 IIA | 0.2 <T | 0.4 <T | 0.1 <W | 0.2 <T |
| Cyclohexane | 1.1 | 0.1 <W | 9.0 IIA | 9.0 IIA | 0.4 <T | 0.5 <T | 0.2 <T | 0.2 <T |
| Hexane | 25.3 | 152.8 | 9.0 IIA | 9.0 IIA | 9.2 | 8.5 | 1.9 | 2.2 |
| 1,3,5-Trimethylbenzene | 1.4 | 0.9 <T | 9.0 IIA | 9.0 IIA | 0.7 <T | 9.0 IEF | 0.9 <T | 0.9 <T |
| M+P-xylene | 9.1 | 7.5 | 9.0 IIA | 9.0 IIA | 3.7 | 9.0 IEF | 5.0 | 5.0 |
| Styrene | 0.8 <T | 0.8 <T | 9.0 IIA | 9.0 IIA | 0.3 <T | 9.0 IEF | 0.4 <T | 0.4 <T |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 9.0 IIA | 9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 0.3 <W | 9.0 IIA | 9.0 IIA | 0.8 <T | 0.8 <T | 0.4 <T | 0.6 <T |
| Isoprene | 0.3 <T | 0.5 <T | 9.0 IIA | 9.0 IIA | 0.2 <T | 0.3 <T | 0.1 <W | 0.1 <W |
| Acrylonitrile | 0.3 <W | 0.3 <W | 9.0 IIA | 9.0 IIA | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 5.5 | 3.9 | 9.0 IIA | 9.0 IIA | 3.5 | 0.3 <W | 2.8 <T | 3.4 |
| Chloromethane | 0.4 <T | 1.2 | 9.0 IIA | 9.0 IIA | 0.4 <T | 0.3 <T | 0.4 <T | 1.0 <T |
| 1,1-Dichloroethene | 1.7 | 2.2 | 9.0 IIA | 9.0 IIA | 0.6 <T | 1.4 | 0.4 <T | 0.5 <T |
| Vinylchloride | 0.1 <W | 0.1 <W | 9.0 IIA | 9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 9.0 IIA | 9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 9.0 IIA | 9.0 IIA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 1.0 <T | 0.2 <T | 9.0 IIA | 9.0 IIA | 0.3 <T | 9.0 IEF | 0.3 <T | 0.3 <T |

29102 - Hamilton: Beach Blvd.

$(\mu\text{g}/\text{m}^3 \cdot 3)$ [illegible]

| Compound Name | 1.3 | 2.2 | 5.5 | 7.8 | 8.3 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 13.0 | 13.1 | 13.2 | 13.3 | 13.4 | 13.5 | 13.6 | 13.7 | 13.8 | 13.9 | 14.0 | 14.1 | 14.2 | 14.3 | 14.4 | 14.5 | 14.6 | 14.7 | 14.8 | 14.9 | 15.0 | 15.1 | 15.2 | 15.3 | 15.4 | 15.5 | 15.6 | 15.7 | 15.8 | 15.9 | 16.0 | 16.1 | 16.2 | 16.3 | 16.4 | 16.5 | 16.6 | 16.7 | 16.8 | 16.9 | 17.0 | 17.1 | 17.2 | 17.3 | 17.4 | 17.5 | 17.6 | 17.7 | 17.8 | 17.9 | 18.0 | 18.1 | 18.2 | 18.3 | 18.4 | 18.5 | 18.6 | 18.7 | 18.8 | 18.9 | 19.0 | 19.1 | 19.2 | 19.3 | 19.4 | 19.5 | 19.6 | 19.7 | 19.8 | 19.9 | 20.0 | 20.1 | 20.2 | 20.3 | 20.4 | 20.5 | 20.6 | 20.7 | 20.8 | 20.9 | 21.0 | 21.1 | 21.2 | 21.3 | 21.4 | 21.5 | 21.6 | 21.7 | 21.8 | 21.9 | 22.0 | 22.1 | 22.2 | 22.3 | 22.4 | 22.5 | 22.6 | 22.7 | 22.8 | 22.9 | 23.0 | 23.1 | 23.2 | 23.3 | 23.4 | 23.5 | 23.6 | 23.7 | 23.8 | 23.9 | 24.0 | 24.1 | 24.2 | 24.3 | 24.4 | 24.5 | 24.6 | 24.7 | 24.8 | 24.9 | 25.0 | 25.1 | 25.2 | 25.3 | 25.4 | 25.5 | 25.6 | 25.7 | 25.8 | 25.9 | 26.0 | 26.1 | 26.2 | 26.3 | 26.4 | 26.5 | 26.6 | 26.7 | 26.8 | 26.9 | 27.0 | 27.1 | 27.2 | 27.3 | 27.4 | 27.5 | 27.6 | 27.7 | 27.8 | 27.9 | 28.0 | 28.1 | 28.2 | 28.3 | 28.4 | 28.5 | 28.6 | 28.7 | 28.8 | 28.9 | 29.0 | 29.1 | 29.2 | 29.3 | 29.4 | 29.5 | 29.6 | 29.7 | 29.8 | 29.9 | 30.0 | 30.1 | 30.2 | 30.3 | 30.4 | 30.5 | 30.6 | 30.7 | 30.8 | 30.9 | 31.0 | 31.1 | 31.2 | 31.3 | 31.4 | 31.5 | 31.6 | 31.7 | 31.8 | 31.9 | 32.0 | 32.1 | 32.2 | 32.3 | 32.4 | 32.5 | 32.6 | 32.7 | 32.8 | 32.9 | 33.0 | 33.1 | 33.2 | 33.3 | 33.4 | 33.5 | 33.6 | 33.7 | 33.8 | 33.9 | 34.0 | 34.1 | 34.2 | 34.3 | 34.4 | 34.5 | 34.6 | 34.7 | 34.8 | 34.9 | 35.0 | 35.1 | 35.2 | 35.3 | 35.4 | 35.5 | 35.6 | 35.7 | 35.8 | 35.9 | 36.0 | 36.1 | 36.2 | 36.3 | 36.4 | 36.5 | 36.6 | 36.7 | 36.8 | 36.9 | 37.0 | 37.1 | 37.2 | 37.3 | 37.4 | 37.5 | 37.6 | 37.7 | 37.8 | 37.9 | 38.0 | 38.1 | 38.2 | 38.3 | 38.4 | 38.5 | 38.6 | 38.7 | 38.8 | 38.9 | 39.0 | 39.1 | 39.2 | 39.3 | 39.4 | 39.5 | 39.6 | 39.7 | 39.8 | 39.9 | 40.0 | 40.1 | 40.2 | 40.3 | 40.4 | 40.5 | 40.6 | 40.7 | 40.8 | 40.9 | 41.0 | 41.1 | 41.2 | 41.3 | 41.4 | 41.5 | 41.6 | 41.7 | 41.8 | 41.9 | 42.0 | 42.1 | 42.2 | 42.3 | 42.4 | 42.5 | 42.6 | 42.7 | 42.8 | 42.9 | 43.0 | 43.1 | 43.2 | 43.3 | 43.4 | 43.5 | 43.6 | 43.7 | 43.8 | 43.9 | 44.0 | 44.1 | 44.2 | 44.3 | 44.4 | 44.5 | 44.6 | 44.7 | 44.8 | 44.9 | 45.0 | 45.1 | 45.2 | 45.3 | 45.4 | 45.5 | 45.6 | 45.7 | 45.8 | 45.9 | 46.0 | 46.1 | 46.2 | 46.3 | 46.4 | 46.5 | 46.6 | 46.7 | 46.8 | 46.9 | 47.0 | 47.1 | 47.2 | 47.3 | 47.4 | 47.5 | 47.6 | 47.7 | 47.8 | 47.9 | 48.0 | 48.1 | 48.2 | 48.3 | 48.4 | 48.5 | 48.6 | 48.7 | 48.8 | 48.9 | 49.0 | 49.1 | 49.2 | 49.3 | 49.4 | 49.5 | 49.6 | 49.7 | 49.8 | 49.9 | 50.0 | 50.1 | 50.2 | 50.3 | 50.4 | 50.5 | 50.6 | 50.7 | 50.8 | 50.9 | 51.0 | 51.1 | 51.2 | 51.3 | 51.4 | 51.5 | 51.6 | 51.7 | 51.8 | 51.9 | 52.0 | 52.1 | 52.2 | 52.3 | 52.4 | 52.5 | 52.6 | 52.7 | 52.8 | 52.9 | 53.0 | 53.1 | 53.2 | 53.3 | 53.4 | 53.5 | 53.6 | 53.7 | 53.8 | 53.9 | 54.0 | 54.1 | 54.2 | 54.3 | 54.4 | 54.5 | 54.6 | 54.7 | 54.8 | 54.9 | 55.0 | 55.1 | 55.2 | 55.3 | 55.4 | 55.5 | 55.6 | 55.7 | 55.8 | 55.9 | 56.0 | 56.1 | 56.2 | 56.3 | 56.4 | 56.5 | 56.6 | 56.7 | 56.8 | 56.9 | 57.0 | 57.1 | 57.2 | 57.3 | 57.4 | 57.5 | 57.6 | 57.7 | 57.8 | 57.9 | 58.0 | 58.1 | 58.2 | 58.3 | 58.4 | 58.5 | 58.6 | 58.7 | 58.8 | 58.9 | 59.0 | 59.1 | 59.2 | 59.3 | 59.4 | 59.5 | 59.6 | 59.7 | 59.8 | 59.9 | 60.0 | 60.1 | 60.2 | 60.3 | 60.4 | 60.5 | 60.6 | 60.7 | 60.8 | 60.9 | 61.0 | 61.1 | 61.2 | 61.3 | 61.4 | 61.5 | 61.6 | 61.7 | 61.8 | 61.9 | 62.0 | 62.1 | 62.2 | 62.3 | 62.4 | 62.5 | 62.6 | 62.7 | 62.8 | 62.9 | 63.0 | 63.1 | 63.2 | 63.3 | 63.4 | 63.5 | 63.6 | 63.7 | 63.8 | 63.9 | 64.0 | 64.1 | 64.2 | 64.3 | 64.4 | 64.5 | 64.6 | 64.7 | 64.8 | 64.9 | 65.0 | 65.1 | 65.2 | 65.3 | 65.4 | 65.5 | 65.6 | 65.7 | 65.8 | 65.9 | 66.0 | 66.1 | 66.2 | 66.3 | 66.4 | 66.5 | 66.6 | 66.7 | 66.8 | 66.9 | 67.0 | 67.1 | 67.2 | 67.3 | 67.4 | 67.5 | 67.6 | 67.7 | 67.8 | 67.9 | 68.0 | 68.1 | 68.2 | 68.3 | 68.4 | 68.5 | 68.6 | 68.7 | 68.8 | 68.9 | 69.0 | 69.1 | 69.2 | 69.3 | 69.4 | 69.5 | 69.6 | 69.7 | 69.8 | 69.9 | 70.0 | 70.1 | 70.2 | 70.3 | 70.4 | 70.5 | 70.6 | 70.7 | 70.8 | 70.9 | 71.0 | 71.1 | 71.2 | 71.3 | 71.4 | 71.5 | 71.6 | 71.7 | 71.8 | 71.9 | 72.0 | 72.1 | 72.2 | 72.3 | 72.4 | 72.5 | 72.6 | 72.7 | 72.8 | 72.9 | 73.0 | 73.1 | 73.2 | 73.3 | 73.4 | 73.5 | 73.6 | 73.7 | 73.8 | 73.9 | 74.0 | 74.1 | 74.2 | 74.3 | 74.4 | 74.5 | 74.6 | 74.7 | 74.8 | 74.9 | 75.0 | 75.1 | 75.2 | 75.3 | 75.4 | 75.5 | 75.6 | 75.7 | 75.8 | 75.9 | 76.0 | 76.1 | 76.2 | 76.3 | 76.4 | 76.5 | 76.6 | 76.7 | 76.8 | 76.9 | 77.0 | 77.1 | 77.2 | 77.3 | 77.4 | 77.5 | 77.6 | 77.7 | 77.8 | 77.9 | 78.0 | 78.1 | 78.2 | 78.3 | 78.4 | 78.5 | 78.6 | 78.7 | 78.8 | 78.9 | 79.0 | 79.1 | 79.2 | 79.3 | 79.4 | 79.5 | 79.6 | 79.7 | 79.8 | 79.9 | 80.0 | 80.1 | 80.2 | 80.3 | 80.4 | 80.5 | 80.6 | 80.7 | 80.8 | 80.9 | 81.0 | 81.1 | 81.2 | 81.3 | 81.4 | 81.5 | 81.6 | 81.7 | 81.8 | 81.9 | 82.0 | 82.1 | 82.2 | 82.3 | 82.4 | 82.5 | 82.6 | 82.7 | 82.8 | 82.9 | 83.0 | 83.1 | 83.2 | 83.3 | 83.4 | 83.5 | 83.6 | 83.7 | 83.8 | 83.9 | 84.0 | 84.1 | 84.2 | 84.3 | 84.4 | 84.5 | 84.6 | 84.7 | 84.8 | 84.9 | 85.0 | 85.1 | 85.2 | 85.3 | 85.4 | 85.5 | 85.6 | 85.7 | 85.8 | 85.9 | 86.0 | 86.1 | 86.2 | 86.3 | 86.4 | 86.5 | 86.6 | 86.7 | 86.8 | 86.9 | 87.0 | 87.1 | 87.2 | 87.3 | 87.4 | 87.5 | 87.6 | 87.7 | 87.8 | 87.9 | 88.0 | 88.1 | 88.2 | 88.3 | 88.4 | 88.5 | 88.6 | 88.7 | 88.8 | 88.9 | 89.0 | 89.1 | 89.2 | 89.3 | 89.4 | 89.5 | 89.6 | 89.7 | 89.8 | 89.9 | 90.0 | 90.1 | 90.2 | 90.3 | 90.4 | 90.5 | 90.6 | 90.7 | 90.8 | 90.9 | 91.0 | 91.1 | 91.2 | 91.3 | 91.4 | 91.5 | 91.6 | 91.7 | 91.8 | 91.9 | 92.0 | 92.1 | 92.2 | 92.3 | 92.4 | 92.5 | 92.6 | 92.7 | 92.8 | 92.9 | 93.0 | 93.1 | 93.2 | 93.3 | 93.4 | 93.5 | 93.6 | 93.7 | 93.8 | 93.9 | 94.0 | 94.1 | 94.2 | 94.3 | 94.4 | 94.5 | 94.6 | 94.7 | 94.8 | 94.9 | 95.0 | 95.1 | 95.2 | 95.3 | 95.4 | 95.5 | 95.6 | 95.7 | 95.8 | 95.9 | 96.0 | 96.1 | 96.2 | 96.3 | 96.4 | 96.5 | 96.6 | 96.7 | 96.8 | 96.9 | 97.0 | 97.1 | 97.2 | 97.3 | 97.4 | 97.5 | 97.6 | 97.7 | 97.8 | 97.9 | 98.0 | 98.1 | 98.2 | 98.3 | 98.4 | 98.5 | 98.6 | 98.7 | 98.8 | 98.9 | 99.0 | 99.1 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----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| Naphthalene | 0.1 | <W | 1.3 | 1.0 | AIN | 2.2 | 0.5 | <T | -9.0 | IIA | 7.8 | 0.1 | <W | 0.1 | <W | 7.8 | 0.1 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2 | <W | 0.2</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³*3)

Station: 29102 - Hamilton - Beach Blvd.

| Field Comment : | Date : | 26-Nov-91 | 08-Dec-91 | 20-Dec-91 |
|---------------------------|--------|-----------|-----------|-----------|
| Office Comment : | | | | |
| Flow Rate (ml/min) : | 25.00 | 25.00 | 25.00 | 25.00 |
| Volume (litres) : | 35.95 | 35.95 | 35.95 | 35.95 |
| ----- Compound Name ----- | | | | |
| Naphthalene | 1.6 | 2.5 AIN | 5.4 | |
| Dichloromethane | 1.0 <T | 3.2 | 85.9 IO | |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | |
| 1,1,1-Trichloroethane | 0.8 <T | 1.3 | 1.7 | |
| 1,2-Dichloroethane | 0.1 <W | 0.2 <T | 0.1 <W | |
| Carbon tetrachloride | 3.0 <T | 6.5 <T | 3.8 <T | |
| Benzene | 6.6 | 14.0 | 10.6 | |
| Trichloroethylene | 0.1 <W | 0.1 <W | 0.2 <T | |
| Toluene | 3.8 | 9.5 | 10.1 | |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | |
| Tetrachloroethylene | 0.4 <T | 0.7 <T | 1.3 | |
| Chlorobenzene | 0.1 <W | 0.3 <T | 0.1 <W | |
| Ethylbenzene | 0.8 <T | 1.6 AIN | 2.0 | |
| O-Xylene | 1.0 <T | 1.7 AIN | 2.2 | |
| 1,1,2,2-Tetrachloroethane | 0.6 <T | 1.3 AIN | 1.1 <T | |
| 1,3-Dichlorobenzene | 0.4 <T | 0.1 <W | 0.1 <W | |
| 1,2-Dichlorobenzene | 0.4 <T | 0.1 <W | 0.4 <T | |
| 1,2,4-Trimethylbenzene | 1.1 | 1.6 AIN | 2.3 | |
| 1,3-Butadiene | 0.1 <W | 0.2 <T | 0.3 <T | |
| Cyclohexane | 0.2 <T | 0.5 <T | 0.5 <T | |
| Hexane | 4.9 | 2.8 | 4.1 | |
| 1,3,5-Trimethylbenzene | 0.5 <T | 1.2 AIN | 1.1 | |
| m+p-Xylene | 2.8 | 4.7 AIN | 6.6 | |
| Styrene | 0.5 <T | 1.6 AIN | 0.9 | |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | |
| Trichloromethane | 0.3 <W | 0.7 <T | 1.0 <T | |
| Isoprene | 0.1 <W | 0.2 <T | 0.3 <T | |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | |
| Bromodichloromethane | 1.7 <T | 2.8 <T | 3.0 <T | |
| Chloromethane | 0.7 <T | 0.9 <T | 20.1 IO | |
| 1,1-Dichloroethene | 0.3 <T | 1.0 <T | 1.8 | |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 0.1 <W | |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | |
| 1,4-Dichlorobenzene | 0.3 <T | 0.6 AIN | 0.4 <T | |

29114 - Hamilton: Vickers & East 18th

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m**3)

Station: 29114 - Hamilton - Vickers & East 18th

| Date : | 02-Jun-91 | 05-Jun-91 | 23-Jun-91 | 05-Jul-91 | 17-Jul-91 | 29-Jul-91 | 10-Aug-91 | 22-Aug-91 | 03-Sep-91 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Field Comment : | | | | | | | | | |
| Office Comment : | | | | | | | | | |
| Flow Rate (ml/min) : | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| Volume (litres) : | 36.00 | 35.95 | 35.95 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| ----- Compound Name ----- | | | | | | | | | |
| Naphthalene | 1.4 | 0.4 <T | 0.6 <T | 0.1 <W | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W |
| Dichloromethane | 0.2 <W | 0.6 <T | 0.3 <T | 0.7 <T | 0.7 <T | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W |
| 1,1-Dichloroethane | 0.5 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 1.6 | 1.1 | 0.8 <T | -9.0 IEF | 1.6 | 1.7 | 0.1 <W | 1.6 | 1.0 <T |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | 0.8 <W | 0.8 <W | 0.8 <W | -9.0 IEF | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W |
| Benzene | 4.0 | 2.3 | 3.6 | 1.1 | 0.8 <T | 4.3 | 0.4 <T | 1.0 <T | 1.1 |
| Trichloroethylene | 0.1 <W | 0.1 <W | 0.6 <T | -9.0 IEF | 0.6 <T | 0.3 <T | 0.1 <W | 0.1 <W | 0.3 <T |
| Toluene | 9.8 IO | 4.1 | 5.3 | 3.6 | 5.1 | 4.5 | 1.2 | 2.7 | 2.4 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.9 <T | 0.5 <T | 0.6 <T | 0.4 <T | 0.8 <T | -9.0 IEF | 0.1 <W | 0.4 <T | 0.1 <W |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.5 <T |
| Ethylbenzene | 2.1 | 1.0 <T | 1.7 | 0.6 <T | 0.4 <T | -9.0 IEF | 0.3 <T | 0.5 <T | 0.5 <T |
| O-Xylene | 2.0 | 1.0 <T | 1.4 | 0.7 <T | 0.5 <T | -9.0 IEF | 0.2 <W | 0.2 <W | 0.2 <W |
| 1,1,2,2-Tetrachloroethane | 0.3 <T | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | -9.0 IEF | 0.2 <W | 0.2 <W | 0.2 <W |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | 2.9 IO | 1.2 | 1.7 | 0.8 <T | 0.4 <T | -9.0 IEF | 0.4 <T | 0.6 <T | 0.6 <T |
| 1,3-Butadiene | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.4 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| Cyclohexane | 0.4 <T | 0.2 <T | 0.3 <T | -9.0 IEF | 0.1 <W | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| Hexane | 3.1 | 1.3 | 12.0 IO | 1.1 | 0.8 <T | 1.5 | 0.6 <T | 1.1 | 1.1 |
| 1,3,5-Trimethylbenzene | 1.0 <T | 0.5 <T | 0.7 <T | 0.3 <T | 0.2 <T | -9.0 IEF | 0.2 <T | 0.2 <T | 0.3 <T |
| mP-xylene | 5.9 | 3.0 | 5.3 | 1.8 | 1.3 | -9.0 IEF | 1.1 | 1.5 | 1.5 |
| Styrene | 0.4 <T | 0.3 <T | 0.4 <T | 0.2 <T | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.2 <T |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.9 <T | 0.7 <T | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 0.3 <W | 0.5 <T | 0.3 <W | 0.3 <W | 0.3 <W | 1.1 <T | 0.3 <W | 0.3 <W |
| Isoprene | 0.4 <T | 0.1 <W | 0.1 <W | 0.2 <T | 0.5 <T | 0.3 <T | 0.2 <T | 0.4 <T | 0.2 <T |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromochloromethane | 3.9 | 0.3 <W | 0.4 <T | -9.0 IEF | 0.5 <T | 0.8 <T | 0.8 <T | 0.3 <W | 0.3 <W |
| Chloromethane | 0.1 <W | 0.5 <T | 0.4 <T | 0.6 <T | 0.5 <T | 0.1 <W | 0.4 <T | 0.1 <W | 0.5 <T |
| 1,1-Dichloroethene | 0.1 <W | 0.7 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Vinylchloride | 0.4 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.4 <T | 0.1 <W | 0.3 <T | -9.0 IEF | 0.4 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.7 <T |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 1.9 | -9.0 IEF | 0.4 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.1 <W | 0.5 <T | 0.1 <W | 0.1 <W | 0.2 <T | -9.0 IEF | 0.1 <W | 0.2 <T | 0.1 <W |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³)

Station: 29114 - Hamilton - Vickers & East 18th

| Date : | 15-Sep-91 | 09-Oct-91 | 21-Oct-91 | 28-Oct-91 | 14-Nov-91 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|
| Field Comment : | | | | | |
| Office Comment : | | | | | |
| Flow Rate (ml/min) : | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| Volume (litres) : | 36.00 | 36.00 | 36.00 | 35.95 | 36.00 |
| ----- Compound Name ----- | | | | | |
| Naphthalene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Dichloromethane | 0.3 <T | 0.2 <W | 0.2 <W | 0.2 <W | -9.0 IHT |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| 1,1,1-Trichloroethane | 1.1 | 0.9 <T | 1.0 <T | 0.7 <T | -9.0 IHT |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Carbon tetrachloride | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | -9.0 IHT |
| Benzene | 0.8 <T | 1.0 <T | 1.2 | 1.2 | -9.0 IHT |
| Trichloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Toluene | 2.1 | 2.1 | 2.2 | 1.9 | -9.0 IHT |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Tetrachloroethylene | 0.6 <T | 0.1 <W | 0.1 <W | 0.3 <T | -9.0 IHT |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Ethylbenzene | 0.5 <T | 0.5 <T | 0.4 <T | 0.3 <T | -9.0 IHT |
| O-xylene | 0.9 <T | 0.5 <T | 0.5 <T | 0.4 <T | -9.0 IHT |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | -9.0 IHT |
| 1,1-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| 1,2,4-Trimethylbenzene | 0.4 <T | 0.3 <T | 0.5 <T | 0.5 <T | -9.0 IHT |
| 1,3-Butadiene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Cyclohexane | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Hexane | 1.0 <T | 1.4 | 0.9 <T | 1.3 | -9.0 IHT |
| 1,3,5-Trimethylbenzene | 0.4 <T | 0.2 <T | 0.2 <T | 0.2 <T | -9.0 IHT |
| M,P-Xylene | 1.8 | 1.5 | 1.3 | 1.2 | -9.0 IHT |
| Styrene | 0.1 <W | 0.4 <T | 0.2 <T | 0.1 <W | -9.0 IHT |
| 1,2-Bromochloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Trichloromethane | 0.3 <W | 0.3 <W | 0.1 <W | 0.3 <W | -9.0 IHT |
| Isoprenes | 0.3 <T | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IHT |
| Bromodichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IHT |
| Chloromethane | 0.5 <T | 0.5 <T | 0.5 <T | 0.5 <T | -9.0 IHT |
| 1,1-Dichloroethene | 0.1 <W | 0.1 <W | 0.1 <W | 0.5 <T | -9.0 IHT |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |
| 1,4-Dichlorobenzene | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT |

PART V:

CENTRAL REGION AMBIENT AIR CONCENTRATION RESULTS

31120 - Toronto: Perth Avenue School

$(\mu\text{g}/\text{m}^{*3})$

| Date : | 06-Jan-91 | 18-Jan-91 | 30-Jan-91 | 11-Feb-91 | 23-Feb-91 | 07-Mar-91 | 19-Mar-91 | SV | 31-Mar-91 | 12-Apr-91 |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------|-----------|
| Field Comment : | | | | | | | | | | |
| Office Comment : | | | | | | | | | | |
| Flow Rate (ml/min) : | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| Volume (litres) : | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 55.50 | 36.00 | 36.00 |

| Compound Name | 0.3 <T | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
|---------------------------|---------|--------|--------|----------|--------|--------|----------|--------|
| Naphthalene | 0.3 <T | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| Dichloromethane | 0.2 <W | 0.2 <W | 0.2 <W | -9.0 <LA | 0.2 <W | 0.2 <W | -9.0 <BT | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| 1,1-Trichloroethane | 4.5 | 0.1 <W | 0.2 <T | -9.0 <LA | 1.0 <T | 0.1 <W | -9.0 <BT | 0.1 <W |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| Carbon tetrachloride | 5.7 <T | 0.8 <W | 0.8 <W | -9.0 <LA | 0.8 <W | 0.8 <W | -9.0 <BT | 0.8 <W |
| Benzene | 6.3 <IO | 1.0 <T | 0.3 <T | -9.0 <LA | 0.9 <W | 0.3 <T | -9.0 <BT | 0.2 <W |
| Trichloroethylene | 15.1 <T | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| Toluene | 0.7 <T | 0.7 <T | 0.7 <T | -9.0 <LA | 1.9 | 0.9 <T | -9.0 <BT | 0.9 <T |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| Tetrachloroethylene | 1.3 | 0.1 <W | 0.1 <W | -9.0 <LA | 0.3 <T | 0.1 <W | -9.0 <BT | 0.1 <W |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| Ethylbenzene | 2.6 | 0.1 <W | 0.1 <W | -9.0 <LA | 0.4 <T | 0.1 <W | -9.0 <BT | 0.1 <W |
| O-xylene | 3.1 | 0.1 <W | 0.1 <W | -9.0 <LA | 0.4 <T | 0.1 <W | -9.0 <BT | 0.1 <W |
| 1,1,2,2-Tetrachloroethane | 1.0 <T | 0.2 <W | 0.2 <W | -9.0 <LA | 0.2 <W | 0.2 <W | -9.0 <BT | 0.2 <W |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| 1,2,4-Trimethylbenzene | 5.9 | 0.1 <W | 0.2 <T | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| 1,3-Butadiene | 0.3 <T | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.3 <T |
| Cyclohexane | 0.8 <T | 0.3 <T | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| Hexane | 4.8 | 1.5 | 0.1 <W | -9.0 <LA | 0.8 <T | 0.2 <T | -9.0 <BT | 1.4 |
| 1,3,5-Trimethylbenzene | 1.6 | 0.1 <W | 0.1 <W | -9.0 <LA | 0.3 <T | 0.1 <W | -9.0 <BT | 0.3 <T |
| Mip-xylene | 8.5 | 0.2 <T | 0.4 <T | -9.0 <LA | 1.2 | 0.4 <T | -9.0 <BT | 0.3 <T |
| Styrene | 0.8 <T | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| Trichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 <LA | 0.3 <W | 0.3 <W | -9.0 <BT | 0.3 <W |
| Isoprene | 0.2 <T | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 <LA | 0.3 <W | 0.3 <W | -9.0 <BT | 0.3 <W |
| Bromodichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 <LA | 0.3 <W | 0.3 <W | -9.0 <BT | 0.3 <W |
| Chloromethane | 1.3 | 0.1 <W | 0.1 <W | -9.0 <LA | 0.5 <T | 0.4 <T | -9.0 <BT | 0.3 <T |
| 1,1-Dichloroethene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| cis-1,3-dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 <LA | 0.1 <W | 0.1 <W | -9.0 <BT | 0.1 <W |
| 4-Chlorobenzene | 25.1 | 1.3 | 4.0 | -9.0 <LA | 13.7 | 10.3 | -9.0 <BT | 6.3 |

$(\mu g/m^{**}3)$ [illegible]

| Compound Name | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| naphthalene | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1-Dichloroethane | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,2-Dichloroethane | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carbon tetrachloride | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0. |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds

(ug/m³)

Station: 31120 - Toronto - Perth Avenue School

Date : 22-Aug-91

Field Comment :

Office Comment :

Flow Rate (ml/min) : 25.00

Volume (litres) : 36.00

| ----- Compound Name ----- | |
|---------------------------|----------|
| Naphthalene | 0.1 <W |
| Dichloromethane | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W |
| 1,1,1-Trichloroethane | -9.0 IEP |
| 1,2-Dichloroethane | -9.0 IEP |
| Carbon tetrachloride | -9.0 IEP |
| Benzene | -9.0 IEP |
| Trichloroethylene | -9.0 IEP |
| Toluene | 1.4 |
| 1,1,2-Trichloroethane | -9.0 IEP |
| Tetrachloroethylene | 0.1 <W |
| Chlorobenzene | 0.1 <W |
| Ethylbenzene | 0.4 <T |
| O-xylene | 0.5 <T |
| 1,1,2,2-Tetrachloroethane | 0.3 <T |
| 1,3-Dichlorobenzene | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W |
| 1,2,4-Trimethylbenzene | 1.1 |
| 1,3-Butadiene | 0.1 <W |
| Cyclohexane | -9.0 IEP |
| Hexane | 0.4 <T |
| 1,3,5-Trimethylbenzene | 0.3 <T |
| m,p-xylene | 1.4 |
| Styrene | 0.2 <T |
| 1,2-Dibromoethane | 0.1 <W |
| Trichloromethane | 0.3 <W |
| Isoprene | 0.1 <W |
| Acrylonitrile | 0.3 <W |
| Bromodichloromethane | -9.0 IEP |
| Chloromethane | 0.1 <W |
| 1,1-Dichloroethene | 0.1 <W |
| Vinylchloride | 0.1 <W |
| 1,2-Dichloropropane | -9.0 IEP |
| cis-1,3-Dichloropropene | -9.0 IEP |
| 1,4-Dichlorobenzene | 3.1 |

44015 - Oakville: Bronte Rd. & Woburn Cr.

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds

(ug/m³)

Station: 44015 - Oakville - Bronte Rd. & Woburn Cr.

| Compound Name | 23-Jun-91 | | 05-Jul-91 | | 17-Jul-91 | | 29-Jul-91 | | 10-Aug-91 | | 22-Aug-91 | | 03-Sep-91 | | 15-Sep-91 | | 14-Oct-91 | |
|---------------------------|-----------|--------|-----------|----------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 |
| Naphthalene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.5 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Dichloromethane | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.4 <T | 0.4 <T | 0.4 <T | 0.2 <W | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 2.5 | 1.8 | -9.0 IFF | -9.0 IFF | 1.9 | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 2.1 | 0.1 <W | 0.1 <W | 0.1 <W | 1.7 | 0.1 <W |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | 1.1 <T | 0.8 <W | -9.0 IFF | -9.0 IFF | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 13.4 IO | 10 | 0.8 <W | 0.8 <W | 0.8 <W | 1.5 <T | 0.1 <W | 0.1 <W |
| Benzene | 1.3 | 3.1 | -9.0 IFF | -9.0 IFF | 1.7 | 2.0 | 7.1 | 5.0 | 5.0 | 5.0 | 7.1 | 4.0 | 5.0 | 4.0 | 4.0 | 3.2 | 3.2 | 3.2 |
| Trichloroethylene | 0.1 <W | 0.8 <T | -9.0 IFF | -9.0 IFF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T | 0.6 <T | 0.6 <T | 0.6 <T | 0.6 <T | 0.3 <T | 0.3 <T | 0.3 <T |
| Toluene | 6.1 | 6.4 | 16.0 | 3.0 | 6.7 | 6.7 | 19.3 | 10.9 | 10.9 | 10.9 | 19.3 | 14.5 | 10.9 | 14.5 | 14.5 | 6.3 | 6.3 | 6.3 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | -9.0 IFF | -9.0 IFF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.3 <T | 0.7 <T | 1.1 | 0.4 <T | 0.4 <T | 0.5 <T | 1.3 | 0.5 <T | 0.5 <T | 0.5 <T | 1.3 | 0.6 <T | 0.5 <T | 0.6 <T | 0.6 <T | 1.0 <T | 1.0 <T | 1.0 <T |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | 1.1 | 0.7 <T | 2.7 | 0.4 <T | 0.4 <T | 1.1 | 3.0 | 1.3 | 1.3 | 1.3 | 3.0 | 2.7 | 1.3 | 2.7 | 2.7 | 1.6 | 1.6 | 1.6 |
| O-xylene | 1.4 | 0.9 <T | 3.7 | 0.5 <T | 0.5 <T | 1.2 | 3.3 | 1.4 | 1.4 | 1.4 | 3.3 | 3.2 | 1.4 | 3.2 | 3.2 | 1.6 | 1.6 | 1.6 |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | 0.2 <W | 0.7 <T | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.5 <T | 0.8 <T | 0.2 <W | 0.8 <T | 0.8 <T | 0.5 <T | 0.5 <T | 0.5 <T |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | 4.9 | 1.1 | 4.7 | 0.9 <T | 0.9 <T | 1.6 | 2.9 | 1.2 | 1.6 | 1.6 | 2.9 | 3.3 | 1.2 | 3.3 | 3.3 | 1.8 | 1.8 | 1.8 |
| 1,3-Butadiene | 0.2 <T | 0.3 <T | 1.4 | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T | 0.2 <T | 1.5 | 0.3 <T | 0.2 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T |
| Cyclohexane | 0.1 <W | 0.4 <T | -9.0 IFF | -9.0 IFF | 0.2 <T | 0.4 <T | 1.7 | 1.2 | 1.1 | 1.2 | 1.7 | 1.1 | 1.2 | 1.1 | 1.1 | 0.6 <T | 0.6 <T | 0.6 <T |
| Hexane | 1.4 | 2.9 | 1.8 | 0.2 <T | 0.2 <T | 2.4 | 10.4 | 4.7 | 4.7 | 4.7 | 10.4 | 6.3 | 4.7 | 6.3 | 6.3 | 3.1 | 3.1 | 3.1 |
| 1,3,5-Trimethylbenzene | 1.9 | 0.3 <T | 1.8 | 0.2 <T | 0.2 <T | 0.6 <T | 1.3 | 0.5 <T | 0.6 <T | 0.6 <T | 1.3 | 1.3 | 0.5 <T | 1.3 | 1.3 | 0.7 <T | 0.7 <T | 0.7 <T |
| m,p-Xylene | 3.1 | 2.0 | 10.2 | 1.3 | 3.7 | 3.7 | 10.2 | 3.8 | 3.8 | 3.8 | 10.2 | 8.2 | 3.8 | 8.2 | 8.2 | 5.0 | 5.0 | 5.0 |
| Styrene | 0.4 <T | 0.3 <T | 0.4 <T | 0.2 <T | 0.2 <T | 0.3 <T | 0.7 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.7 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.3 <T | 0.3 <T | 0.3 <T |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 1.2 <T | -9.0 IFF | -9.0 IFF | 0.3 <W | 0.9 <T | 4.8 IO | 2.5 <T | 0.9 <T | 0.9 <T | 4.8 IO | 2.5 <T | 2.5 <T | 2.9 <T | 2.9 <T | 0.9 <T | 0.9 <T | 0.9 <T |
| Isoprene | 0.7 <T | 1.0 <T | 2.7 | 0.1 <W | 0.1 <W | 0.1 <W | 0.9 <T | 2.5 | 0.1 <W | 0.1 <W | 0.9 <T | 2.5 | 2.5 | 1.2 | 1.2 | 0.3 <T | 0.3 <T | 0.3 <T |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 0.3 <W | 1.0 <T | -9.0 IFF | -9.0 IFF | 0.3 <W | 2.5 <T | 7.6 | 2.4 <T | 0.3 <W | 0.3 <W | 7.6 | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Chloromethane | 0.6 <T | 1.0 <T | 0.5 <T | 0.8 <T | 0.8 <T | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 3.7 | 3.7 | 3.7 |
| 1,1-Dichloroethene | 0.7 <T | 2.5 | 26.0 IO | 0.1 <W | 0.1 <W | 1.6 | 5.7 | 2.5 | 0.5 <T | 0.5 <T | 5.7 | 3.0 | 2.5 | 3.0 | 3.0 | 0.4 <T | 0.4 <T | 0.4 <T |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 1.1 | 0.3 <T | -9.0 IFF | -9.0 IFF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | -9.0 IFF | -9.0 IFF | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.1 <W | 0.6 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.4 <T | 0.6 <T | 0.6 <T | 0.1 <W | 0.1 <W | 0.1 <W |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds

(ug/m³)

Station: 44015 - Oakville - Bronte Rd. & Woburn Cr.

Date : 21-Oct-91 02-Nov-91 08-Dec-91 20-Dec-91
Field Comment :
Office Comment :
Flow Rate (ml/min) : 25.00 25.00 25.00 25.00
Volume (litres) : 36.00 36.00 36.00 36.00

| Compound Name | 21-Oct-91 | 02-Nov-91 | 08-Dec-91 | 20-Dec-91 |
|---------------------------|-----------|-----------|-----------|-----------|
| Naphthalene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Dichloromethane | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 2.8 | 0.5 <T | 0.1 <W | 0.1 <W |
| 1,2-Dichloroethane | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | 2.5 <T | 1.7 <T | 0.8 <W | 0.8 <W |
| Benzene | 5.4 | 1.9 | 8.2 | 1.1 |
| Trichloroethylene | 0.8 <T | 0.4 <T | 0.9 <T | 0.1 <W |
| Toluene | 12.4 | 4.1 | 17.4 | 2.7 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 1.2 | 0.4 <T | 1.1 | 0.3 <T |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | 2.3 | 0.7 <T | 2.5 | 0.4 <T |
| O-xylene | 2.8 | 0.9 <T | 3.5 | 0.4 <T |
| 1,1,2,2-Tetrachloroethane | 0.7 <T | 0.2 <W | 1.2 <T | 0.2 <W |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.5 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | 3.1 | 1.2 | 3.4 AIN | 0.5 <T |
| 1,3-Butadiene | 0.6 <T | 0.5 <T | 0.3 <T | 0.2 <T |
| Cyclohexane | 1.4 | 0.4 <T | 2.0 | 0.3 <T |
| Hexane | 6.1 | 3.0 | 11.7 | 1.3 |
| 1,3,5-Trimethylbenzene | 1.2 | 0.4 <T | 1.4 AIN | 0.2 <T |
| m+p-xylene | 7.7 | 2.5 | 9.3 | 1.3 |
| Styrene | 0.8 <T | 0.2 <T | 0.7 <T | 0.1 <W |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | 2.0 | 1.7 <T | 1.4 <W | 0.3 <W |
| Isoprene | 0.4 <T | 0.3 <T | 0.2 <T | 1.0 <T |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 6.9 | 5.0 | 7.2 | 0.3 <W |
| Chloromethane | 0.4 <T | 0.5 <T | 0.3 <T | 0.2 <T |
| 1,1-Dichloroethene | 2.6 | 1.4 | 1.3 | 0.5 <T |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 0.1 <W | 2.6 |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.3 <T | 0.1 <W | 0.5 AIN | 0.1 <W |

45025 - Oshawa: Ritson Rd. & Olive Ave.

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³)

Station: 45025 - Oshawa - Ritson Rd. & Olive Ave.

| Compound Name | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | | N |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|
| | 23-Jun-91 | 05-Jul-91 | 17-Jul-91 | 29-Jul-91 | 10-Aug-91 | 22-Aug-91 | 04-Sep-91 | 19-Sep-91 | 25-Sep-91 | 01-Oct-91 | 11-Oct-91 | 21-Oct-91 | |
| | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | |
| | 36.00 | 36.00 | 36.00 | 35.25 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | |
| Field Comment : | | | | | | | | | | | | | |
| Office Comment : | | | | | | | | | | | | | |
| Flow Rate (ml/min) : | | | | | | | | | | | | | |
| Volume (litres) : | | | | | | | | | | | | | |
| Compound Name | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | |
| Naphthalene | 1.2 <T | 1.7 <T | 1.7 <T | 0.2 <W | 0.3 <T | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.1 <W |
| Dichloromethane | 0.1 <W | 0.1 <W | 0.5 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1-Dichloroethane | 0.5 <T | 1.5 | 2.5 | 1.1 | 1.6 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.0 <T |
| 1,1,1-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloroethane | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.1 <W |
| Carbon tetrachloride | 1.0 <T | 3.1 | 2.7 | 1.6 | 0.8 <T | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 1.7 <T |
| Benzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T |
| Trichloroethylene | 7.7 | 11.1 | 11.1 | 3.3 | 2.1 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 11.1 |
| Toluene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,2-Trichloroethane | 0.4 <T | 2.1 | 1.2 | 3.1 | 0.3 <T | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 |
| Tetrachloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Chlorobenzene | 0.6 <T | 1.5 | 3.0 | 0.6 <T | 0.4 <T | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.3 |
| Ethylbenzene | 0.7 <T | 1.6 | 3.0 | 0.7 <T | 0.5 <T | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.7 |
| O-Xylene | 0.2 <W | 0.2 <W | 0.8 <T | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W |
| 1,1,2,2-Tetrachloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | 1.3 | 1.9 | 3.0 | 0.7 <T | 0.8 <T | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.8 |
| 1,3-Butadiene | 0.2 <T | 0.2 <T | 0.4 <T | 0.3 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Cyclohexane | 0.1 <W | 0.4 <T | 0.4 <T | 0.2 <T | 0.1 <W | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.4 <T |
| Hexane | 1.0 <T | 2.4 | 2.9 | 1.2 | 0.8 <T | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.8 |
| 1,3,5-Trimethylbenzene | 0.5 <T | 0.8 <T | 1.1 | 0.3 <T | 0.3 <T | 0.9 <T | 0.9 <T | 0.9 <T | 0.9 <T | 0.9 <T | 0.9 <T | 0.9 <T | 1.1 |
| M+p-xylene | 2.1 | 4.7 | 10.1 | 1.9 | 1.3 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 | 7.6 |
| Styrene | 0.2 <T | 0.3 <T | 0.5 <T | 0.2 <T | 0.1 <W | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.5 <T |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 0.6 <T | 0.8 <T | 0.3 <W | 0.3 <W | 1.2 <T | 1.2 <T | 1.2 <T | 1.2 <T | 1.2 <T | 1.2 <T | 1.2 <T | 0.8 <T |
| Isoprene | 0.2 <T | 0.4 <T | 0.5 <T | 0.4 <T | 0.2 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 1.3 <T | 3.0 <T | 3.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 4.2 |
| Chloromethane | 0.6 <T | 0.6 <T | 0.6 <T | 0.1 <W | 0.1 <W | 0.8 <T | 0.8 <T | 0.8 <T | 0.8 <T | 0.8 <T | 0.8 <T | 0.8 <T | 0.4 <T |
| 1,1-Dichloroethene | 1.3 | 1.3 | 1.3 | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.8 <T |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 0.6 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 2.1 | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.3 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.5 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.2 <T |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds

(ug/m³)

Station: 45025 - Oshawa - Ritson Rd. & Olive Ave.

Date : 02-Nov-91 14-Nov-91 08-Dec-91 20-Dec-91

Field Comment :
Office Comment :
Flow Rate (ml/min) : 25.00 25.00 25.00 25.00
Volume (litres) : 36.00 36.00 36.00 36.00

| Compound Name | 02-Nov-91 | 14-Nov-91 | 08-Dec-91 | 20-Dec-91 |
|---------------------------|-----------|-----------|-----------|-----------|
| Naphthalene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Dichloromethane | 0.2 <W | 0.5 <T | 0.2 <W | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 0.5 <T | 1.9 | 1.0 <T | 0.1 <W |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T |
| Carbon tetrachloride | 0.8 <W | 0.8 <W | 1.7 <T | 5.0 <T |
| Benzene | 1.0 <T | 1.2 | 4.2 | 3.8 |
| Trichloroethylene | 0.1 <W | 0.4 <T | 0.3 <T | 0.1 <W |
| Toluene | 2.1 | 5.1 | 16.3 | 12.0 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.3 <T | 0.9 <T | 2.1 | 1.4 |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | 0.4 <T | 1.6 | 2.1 | 2.7 |
| O-xylene | 0.4 <T | 1.6 | 2.5 | 2.8 |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | 0.2 <W | 0.4 <T | 0.2 <W |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.4 <T | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.4 <T | 0.1 <W |
| 1,2,4-Trimethylbenzene | 0.6 <T | 1.9 | 3.3 | 2.6 |
| 1,3-Butadiene | 0.1 <W | 0.1 <W | 0.3 <T | 0.2 <T |
| Cyclohexane | 0.2 <T | 0.2 <T | 0.6 <T | 0.6 <T |
| Hexane | 0.8 <T | 1.4 | 4.6 | 3.7 |
| 1,3,5-Trimethylbenzene | 0.2 <T | 0.7 <T | 1.2 | 1.0 <T |
| Mip-xylene | 1.2 | 5.2 | 6.8 | 9.1 |
| Styrene | 0.1 <W | 0.3 <T | 0.6 <T | 0.6 <T |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 0.3 <W | 1.3 <T | 1.1 <T |
| Isoprene | 0.1 <W | 0.1 <W | 0.4 <T | 0.3 <T |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 0.8 <T | 2.0 <T | 5.8 | 4.3 |
| Chloromethane | 0.2 <T | 0.3 <T | 0.5 <T | 0.8 <T |
| 1,1-Dichloroethene | 0.6 <T | 0.3 <T | 1.0 <T | 1.0 <T |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 2.2 | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.5 <T | 0.3 <T |

46117 - Mississauga: Meadow Park

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m**3)

Station: 46117 - Mississauga - Meadow Park

| Compound Name | 23-Jun-91 | | 05-Jul-91 | | 17-Jul-91 | | 29-Jul-91 | | 10-Aug-91 | | 22-Aug-91 | | 03-Sep-91 | | 15-Sep-91 | | 14-Oct-91 | |
|---------------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|
| | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | |
| | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : | Field Comment : | Flow Rate (ml/min) : |
| Volume (litres) : | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 | 25.00 | 36.00 |
| Naphthalene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Dichloromethane | 0.2 <W | 2.3 IO | 0.9 <T | 0.9 <T | 0.9 <T | 0.9 <T | 0.2 <W | 1.2 <T | 1.2 <T | 1.2 <T | 0.2 <W | 0.7 <T | 0.8 <T | 0.8 <T | 0.8 <T | 0.8 <T | 0.2 <W | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 2.1 <W | 2.2 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 1.5 | 1.5 | 1.5 | 2.8 | 0.1 <W | 1.5 | 1.5 | 1.5 | 1.5 | 1.1 | 1.1 |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | 0.9 <W | 2.6 <T | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W |
| Benzene | 1.1 | 2.4 | 4.1 | 4.1 | 4.1 | 4.1 | 0.6 <T | 1.2 | 1.2 | 1.2 | 8.8 | 5.1 | 3.6 | 3.6 | 2.3 | 2.3 | 2.3 | 2.3 |
| Trichloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.3 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.2 <T | 0.2 <T |
| Toluene | 3.3 | 8.1 | 15.0 | 15.0 | 15.0 | 15.0 | 1.9 | 6.4 | 6.4 | 6.4 | 37.0 IO | 19.9 | 7.9 | 7.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.4 <T | 0.4 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.1 <W | 0.3 <T | 0.3 <T | 0.3 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.6 <T | 0.6 <T |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | 0.6 <T | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 0.3 <T | 2.3 | 2.3 | 2.3 | 7.4 IO | 2.5 | 0.7 <T | 0.7 <T | 1.3 | 1.3 | 1.3 | 1.3 |
| O-Xylene | 0.8 <T | 1.5 | 3.8 | 3.8 | 3.8 | 3.8 | 0.4 <T | 2.5 | 2.5 | 2.5 | 10.7 IO | 3.2 | 1.0 <T | 1.0 <T | 1.4 | 1.4 | 1.4 | 1.4 |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.6 <T | 0.6 <T | 0.6 <T | 1.1 <T | 2.9 | 0.8 <T | 0.8 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.5 <T |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Trimethylbenzene | 2.7 | 2.0 | 3.8 | 3.8 | 3.8 | 3.8 | 1.5 | 4.6 | 4.6 | 4.6 | 11.5 IO | 5.0 | 2.7 | 2.7 | 2.2 | 2.2 | 2.2 | 2.2 |
| 1,3-Butadiene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.2 <T | 0.2 <T |
| Cyclohexane | 0.1 <W | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 0.1 <W | 1.2 | 1.2 | 1.2 | 2.0 | 2.9 | 2.1 | 2.1 | 0.5 <T | 0.5 <T | 0.9 <T | 0.9 <T |
| Hexane | 1.2 | 8.1 | 11.7 | 11.7 | 11.7 | 11.7 | 0.5 <T | 4.8 | 4.8 | 4.8 | 10.6 | 12.4 | 8.4 | 8.4 | 3.5 | 3.5 | 3.5 | 3.5 |
| 1,3,5-Trimethylbenzene | 0.7 <T | 0.7 <T | 1.5 | 1.5 | 1.5 | 1.5 | 0.4 <T | 0.7 <T | 0.7 <T | 0.7 <T | 3.7 IO | 1.8 | 0.5 <T | 0.5 <T | 0.6 <T | 0.6 <T | 0.6 <T | 0.6 <T |
| m+p-Xylene | 1.8 | 4.8 | 11.5 | 11.5 | 11.5 | 11.5 | 1.0 <T | 8.5 | 8.5 | 8.5 | 31.1 IO | 8.2 | 2.4 | 2.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| Styrene | 0.3 <T | 0.5 <T | 0.9 <T | 0.9 <T | 0.9 <T | 0.9 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 13.0 IO | 1.0 <T | 0.2 <T | 0.2 <T | 0.3 <T | 0.3 <T | 0.3 <T | 0.3 <T |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.5 <T | 0.8 <T | 1.5 <T | 1.5 <T | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Isoprene | 0.6 <T | 0.4 <T | 0.6 <T | 0.6 <T | 0.6 <T | 0.6 <T | 0.2 <T | 0.5 <T | 0.5 <T | 0.5 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.7 <T | 0.7 <T | 0.1 <W | 0.1 <W |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 4.7 | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 1.8 <T | 0.3 <W | 1.9 <T | 1.9 <T | 2.0 <T | 2.0 <T | 2.0 <T | 2.0 <T |
| Chloromethane | 0.5 <T | 0.1 <W | 0.6 <T | 0.6 <T | 0.6 <T | 0.6 <T | 0.6 <T | 0.1 <W | 0.1 <W | 0.1 <W | 1.2 | 0.9 <T | 1.1 | 1.1 | 0.9 <T | 0.9 <T | 0.9 <T | 0.9 <T |
| 1,1-Dichloroethene | 0.6 <T | 0.6 <T | 1.9 | 1.9 | 1.9 | 1.9 | 0.1 <W | 0.7 <T | 0.7 <T | 0.7 <T | 0.1 <W | 1.1 | 2.7 | 2.7 | 0.7 <T | 0.7 <T | 0.7 <T | 0.7 <T |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 1.1 | 2.0 | 2.4 | 2.4 | 2.4 | 2.4 | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.4 <T | 0.4 <T | 0.4 <T | 0.4 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds

(ug/m³)

Station: 46117 - Mississauga - Meadow Park

| | Date : | 21-Oct-91 | 02-Nov-91 | 08-Dec-91 | 20-Dec-91 |
|---------------------------|--------|-----------|-----------|-----------|-----------|
| Field Comment : | | | | | |
| Office Comment : | | | | | |
| Flow Rate (mL/min) : | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| Volume (litres) : | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| Compound Name | ----- | | | | |
| Naphthalene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Dichloromethane | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 1.2 <T |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 1.3 | 0.7 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloroethane | 1.1 <T | 0.8 <W | 0.8 <W | 0.8 <W | 6.0 <T |
| Carbon tetrachloride | 1.3 | 2.9 | 5.9 | 5.2 | 5.2 |
| Benzene | 3.2 <T | 0.2 <T | 42.8 IO | 0.9 <T | 0.9 <T |
| Trichloroethylene | 9.6 | 4.3 | 17.4 | 15.8 | 15.8 |
| Toluene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,2-Trichloroethane | 0.9 <T | 0.3 <T | 1.6 | 2.4 IO | 2.4 IO |
| Tetrachloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Chlorobenzene | 1.6 | 0.4 <T | 3.3 | 4.6 | 4.6 |
| Ethylbenzene | 2.0 | 0.6 <T | 4.3 | 4.5 | 4.5 |
| O-xylene | 1.5 <T | 0.2 <W | 2.4 | 1.3 <T | 1.3 <T |
| 1,1,2,2-Tetrachloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 AIN | 0.3 AIN |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 AIN | 0.1 AIN |
| 1,2-Dichlorobenzene | 2.4 | 0.6 <T | 4.7 AIN | 3.9 AIN | 3.9 AIN |
| 1,2,4-Trimethylbenzene | 0.8 <T | 0.6 <T | 0.6 <T | 0.4 <T | 0.4 <T |
| 1,3-Butadiene | 1.8 | 1.1 | 5.8 IO | 2.8 | 2.8 |
| Cyclohexane | 6.1 | 3.8 | 20.6 | 13.3 | 13.3 |
| Hexane | 1.1 | 0.2 <T | 2.0 AIN | 1.7 AIN | 1.7 AIN |
| 1,3,5-Trimethylbenzene | 5.7 | 1.6 | 12.1 | 14.1 | 14.1 |
| MIP-xylene | 0.6 <T | 0.3 <T | 1.2 | 1.1 | 1.1 |
| Styrene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dibromoethane | 1.0 <T | 0.6 <T | 1.0 <T | 0.9 <T | 0.9 <T |
| Trichloromethane | 0.5 <T | 0.7 <T | 0.3 <T | 0.3 <T | 0.3 <T |
| Isoprene | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Acrylonitrile | 4.1 * | 1.7 <T | 7.7 | 5.9 | 5.9 |
| Bromodichloromethane | 1.7 | 0.5 <T | 0.1 <W | 0.8 <T | 0.8 <T |
| Chloromethane | 1.9 | 1.4 | 0.4 | 1.0 <T | 1.0 <T |
| 1,1-Dichloroethene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Vinylchloride | 0.1 <W | 0.1 <W | 13.5 IO | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 AIN |

49014 - Dorset: Research Facility

DORSET DICHLOROMETHANE RESULTS

Dichloromethane results from Dorset require special mention here. The main research facility in Dorset has many samplers operating on varied schedules. Some of the precipitation collectors require a funnel rinse following sample collection. Until recently, the solvent of choice was HPLC grade dichloromethane. Contamination is not consistent because of the varied sampling schedules. Dichloromethane results over a few micrograms are suspect.

Acetone is now used for all precipitation collector funnel rinses.

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³)

Station: 49014 - Dorset - Research Facility

| Compound Name | 19-Mar-91 | 31-Mar-91 | 12-Apr-91 | 24-Apr-91 | 06-May-91 | 18-May-91 | 30-May-91 | 11-Jun-91 | 23-Jun-91 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Naphthalene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.4 <T | 0.4 <T | 0.1 <W |
| Dichloromethane | 541.0 | 25.9 | 51.1 | 152.1 | 2.9 | 1602.2 | 2399.0 | 1563.0 | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.6 <T | 1.4 | 0.7 <T | 0.9 <T |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W |
| Benzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.1 <W | 0.3 <T | 0.8 <T | 0.3 <T | 0.2 <T |
| Trichloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Toluene | 0.1 <W | 0.3 <T | 0.1 <W | 0.1 <W | 0.2 <T | 0.6 <T | 2.1 | 0.6 <T | 2.0 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.4 <T | 0.1 <W | 0.2 <T |
| O-xylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.2 <T | 0.1 <W | 0.5 <T |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.1 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.4 <T | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.5 <T | 0.6 <T | 0.1 <W | 0.2 <T |
| 1,3-Butadiene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Cyclohexane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| Hexane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T | 0.5 <T | 0.3 <T | 0.5 <T |
| 1,3,5-Trimethylbenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.1 <W | 0.1 <W |
| m,p-Xylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T | 1.3 | 0.2 <T | 0.6 <T |
| Styrene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.5 <T | 0.1 <W | 0.1 <W |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Isoprene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.8 <T | 0.9 <T | 1.0 <T |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Chloromethane | 7.7 | 0.1 <W | 1.1 | 0.4 <T | 0.1 <W | 19.8 | 10 | 5.2 | 2.8 |
| 1,1-Dichloroethene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.4 <T | 1.2 | 0.3 <T | 0.8 <T |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 1.0 <T | 0.1 <W | 0.1 <W |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³)

Station: 49014 - Dorset - Research Facility

| Date : | 05-Jul-91 | 17-Jul-91 | 29-Jul-91 | 10-Aug-91 | 22-Aug-91 | 03-Sep-91 | 15-Sep-91 | 09-Oct-91 | 21-Oct-91 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Field Comment : | M | | | | MD | I | | | |
| Office Comment : | | | | | | | | | |
| Flow Rate (ml/min) : | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| Volume (litres) : | 36.00 | 36.15 | 36.13 | 36.16 | 0.07 | 36.35 | 36.17 | 36.16 | 36.13 |
| Compound Name | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Naphthalene | 211.0 | 0.4 <T | 0.2 <W | -9.0 IIA | -9.0 IIV | 2.7 | 0.7 <T | 0.2 <W | 0.2 <W |
| Dichloromethane | | 0.1 <W | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1-Dichloroethane | 1.0 <W | 0.1 <W | 0.4 <T | -9.0 IIA | -9.0 IIV | 0.9 <T | 1.3 | 0.7 <T | 1.1 |
| 1,1,1-Trichloroethane | 1.0 <T | -9.0 IEF | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloroethane | 0.1 <W | -9.0 IEF | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.8 <W | 0.8 <W | 0.8 <W | 0.9 <W |
| Carbon tetrachloride | 0.8 <W | -9.0 IEF | 0.8 <W | -9.0 IIA | -9.0 IIV | 0.5 <T | 0.7 <T | 0.5 <T | 0.7 <T |
| Benzene | 0.4 <T | -9.0 IEF | 0.3 <T | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloroethylene | 0.1 <W | -9.0 IEF | 0.1 <W | -9.0 IIA | -9.0 IIV | 1.3 | 3.3 | 1.3 | 1.1 |
| Toluene | 3.4 | 2.6 | 1.7 | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,2-Trichloroethane | 0.1 <W | -9.0 IEF | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.3 <T | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.1 <W | 0.3 <T | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.3 <T | 0.3 <T | 0.2 <T |
| Ethylbenzene | 0.2 <T | 0.2 <T | 0.2 <T | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.2 <T | 0.2 <T | 0.2 <T |
| O-xylene | 0.1 <W | 0.3 <T | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.2 <W | 0.2 <W | 0.2 <W |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | 0.2 <W | 0.2 <W | -9.0 IIA | -9.0 IIV | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.3 <T | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.2 <T | 0.2 <T | 0.2 <T |
| 1,2,4-Trimethylbenzene | 0.2 <T | 0.2 <T | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,3-Butadiene | 0.1 <W | 1.4 | 0.2 <T | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Cyclohexane | 0.1 <W | -9.0 IEF | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.6 <T | 0.5 <T | 0.6 <T | 0.6 <T |
| Hexane | 0.5 <T | 1.4 | 0.2 <T | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,3,5-Trimethylbenzene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| M,p-xylene | 0.3 <T | 0.8 <T | 0.5 <T | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Styrene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.3 <T | 0.5 <T | 0.1 <W | 0.1 <W |
| 1,2-Dibromomethane | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.2 <T | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 1.4 <T | 0.3 <W | -9.0 IIA | -9.0 IIV | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Isoprene | 1.0 <T | 0.1 <W | 0.6 <T | -9.0 IIA | -9.0 IIV | 0.8 <T | 0.4 <T | 0.1 <W | 0.1 <W |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IIA | -9.0 IIV | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 1.0 <T | 0.1 <W | 0.3 <W | -9.0 IIA | -9.0 IIV | 0.8 <T | 0.3 <W | 0.3 <W | 0.3 <W |
| Chloromethane | 1.0 <T | 0.6 <T | 0.3 <T | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1-Dichloroethene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.5 <T | -9.0 IEF | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | -9.0 IEF | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIA | -9.0 IIV | 0.1 <W | 0.2 <T | 0.1 <W | 0.1 <W |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds

(ug/m³)

Station: 49014 - Dorset - Research Facility

Date : 02-Nov-91 14-Nov-91 26-Nov-91 08-Dec-91 20-Dec-91

Field Comment :

Office Comment :

Flow Rate (ml/min) : 25.00

Volume (litres) : 36.11

| Compound Name | 02-Nov-91 | 14-Nov-91 | 26-Nov-91 | 08-Dec-91 | 20-Dec-91 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|
| Naphthalene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Dichloromethane | 331.5 | 0.3 <W | 0.3 <W | 0.5 <W | 0.6 <W |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 0.1 <W | 0.9 <W | 0.1 <W | 0.7 <W | 0.1 <W |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W |
| Benzene | 0.8 <W | 0.9 <W | 0.1 <W | 1.1 | 1.3 |
| Trichloroethylene | 0.2 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Toluene | 2.7 | 1.3 | 0.2 <W | 1.4 | 1.9 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.4 <W | 0.2 <W | 0.1 <W | 0.2 <W | 0.2 <W |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | 0.2 <W | 0.2 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| O-xylene | 0.2 <W | 0.2 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W |
| 1,3-Dichlorobenzene | 0.1 <W | 0.2 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.2 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,3-Butadiene | 0.2 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Cyclohexane | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <W | 0.2 <W |
| Hexane | 0.7 | 5.5 | 1.0 | 0.8 | 0.8 |
| 1,3,5-Trimethylbenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| M+p-xylene | 0.7 | 0.5 | 0.1 | 0.1 | 0.1 |
| Styrene | 0.2 <W | 0.2 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 0.3 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Isoprene | 0.2 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromochloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Chloromethane | 1.6 | 0.4 <W | 0.1 <W | 0.9 <W | 0.9 <W |
| 1,1-Dichloroethene | 0.4 <W | 0.3 <W | 0.1 <W | 0.3 <W | 0.3 <W |
| Vinylchloride | 0.4 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.4 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.1 <W | 0.2 <W | 0.1 <W | 0.1 <W | 0.1 <W |

PART VI:

NORTHWESTERN REGION AMBIENT AIR CONCENTRATION RESULTS

63200 - Thunder Bay: James St. South

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds

(ug/m³ * 3)

Station: 63200 - Thunder Bay - James St. S.

| Date : | 06-Jan-91 | 18-Jan-91 | 30-Jan-91 | 11-Feb-91 | 23-Feb-91 | 09-Mar-91 | 19-Mar-91 | 31-Mar-91 | 12-Apr-91 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Field Comment : | | | | | | | | | |
| Office Comment : | | | | | | | | | |
| Flow Rate (ml/min) : | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| Volume (litres) : | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| Compound Name | | | | | | | | | |
| Naphthalene | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.2 <T | 0.1 <W | 0.4 <T | 0.1 <W | 0.2 <T |
| Dichloromethane | 0.2 <W | 0.2 <W | -9.0 ILA | -9.0 ILA | 0.5 <T | 0.2 <W | 0.3 <T | 0.2 <W | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 1.2 | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.1 <W | 1.1 | 1.2 | 1.8 | 0.1 <W |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.1 <W | 0.1 <W | 0.3 <T | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | 0.8 <W | 0.8 <W | -9.0 ILA | -9.0 ILA | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 3.7 <T |
| Benzene | 4.0 | 2.7 | -9.0 ILA | -9.0 ILA | 2.6 | 2.1 | 1.6 | 1.1 | 2.7 |
| Trichloroethylene | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.1 <W | 0.1 <W | 0.2 <T | 0.1 <W | 0.1 <W |
| Toluene | 5.2 | 4.1 | -9.0 ILA | -9.0 ILA | 4.3 | 2.3 | 3.1 | 1.2 | 4.3 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Chlorobenzene | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | 0.5 <T | 0.7 <T | -9.0 ILA | -9.0 ILA | 0.8 <T | 0.3 <T | 0.7 <T | 0.2 <T | 0.7 <T |
| O-xylene | 0.8 <T | 1.3 | -9.0 ILA | -9.0 ILA | 1.6 | 0.5 <T | 1.1 | 0.4 <T | 1.4 |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | 0.2 <W | -9.0 ILA | -9.0 ILA | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W |
| 1,1-Dichlorobenzene | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | 0.1 <W | 2.0 | -9.0 ILA | -9.0 ILA | 2.5 | 0.6 <T | 1.9 | 0.4 <T | 2.5 |
| 1,3-Butadiene | 0.4 <T | 0.2 <T | -9.0 ILA | -9.0 ILA | 0.2 <T | 0.2 <T | 0.1 <W | 0.1 <W | 0.2 <T |
| Cyclohexane | 0.3 <T | 0.3 <T | -9.0 ILA | -9.0 ILA | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T |
| Hexane | 2.2 | 2.1 | -9.0 ILA | -9.0 ILA | 1.9 | 1.1 | 1.1 | 0.7 <T | 2.1 |
| 1,3,5-Trimethylbenzene | 0.2 <T | 0.5 <T | -9.0 ILA | -9.0 ILA | 0.6 <T | 0.2 <T | 0.5 <T | 0.3 <T | 0.7 <T |
| m,p-Xylene | 2.7 | 2.7 | -9.0 ILA | -9.0 ILA | 3.2 | 1.0 <T | 2.5 | 0.6 <T | 2.9 |
| Styrene | 0.4 <T | 0.3 <T | -9.0 ILA | -9.0 ILA | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dibromomethane | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 0.3 <W | -9.0 ILA | -9.0 ILA | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Isoprene | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Acrylonitrile | 0.3 <W | 0.3 <W | -9.0 ILA | -9.0 ILA | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 0.3 <W | 0.3 <W | -9.0 ILA | -9.0 ILA | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Chloromethane | 1.5 IO | 0.7 <T | -9.0 ILA | -9.0 ILA | 0.7 <T | 0.7 <T | 0.7 <T | 0.4 <T | 0.8 <T |
| 1,1-Dichloroethene | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Vinylchloride | 0.1 <W | 0.4 <T | -9.0 ILA | -9.0 ILA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.1 <W | 0.1 <W | -9.0 ILA | -9.0 ILA | 0.5 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³3)

Station: 63200 - Thunder Bay - James St. S.

| Date : | 10-Aug-91 | 22-Aug-91 | 03-Sep-91 | 15-Sep-91 | 10-Oct-91 | 21-Oct-91 | 02-Nov-91 | 14-Nov-91 | 26-Nov-91 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Field Comment : | | | | | | | | | |
| Office Comment : | | | | | | | | | |
| Flow Rate (ml/min) : | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| Volume (litres) : | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| Compound Name | 10-Aug-91 | 22-Aug-91 | 03-Sep-91 | 15-Sep-91 | 10-Oct-91 | 21-Oct-91 | 02-Nov-91 | 14-Nov-91 | 26-Nov-91 |
| Naphthalene | 0.3 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Dichloromethane | 0.2 <W | 0.3 <W | 0.2 <W | 0.6 <T | 0.2 <W | 0.4 <T | 0.2 <W | 0.4 <T | 0.3 <T |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 0.1 <W | 0.1 <W | 2.2 | 2.1 | 1.8 | -9.0 IEF | 1.0 <T | 2.1 | 1.0 <T |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | -9.0 IEF | 0.8 <W | 1.8 <T | 0.8 <W |
| Benzene | 1.5 | 0.2 <T | 1.0 <T | 1.4 | 2.8 | -9.0 IEF | 1.2 | 5.9 IO | 1.7 |
| Trichloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.4 <T | 0.1 <W | -9.0 IEF | 0.2 <T | 0.3 <T | 0.1 <W |
| Toluene | 5.6 | 0.4 <T | 3.2 | 4.8 | 9.9 | 4.2 | 2.2 | 13.6 IO | 3.0 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.6 <T | 0.6 <T | 0.5 <T | 0.2 <T | 0.6 <T | 0.1 <W |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | 1.1 | 0.1 <W | 0.8 <T | 0.8 <T | 1.9 IO | 0.8 <T | 0.4 <T | 1.3 | 0.5 <T |
| O-xylene | 1.5 | 0.1 <W | 1.0 <T | 1.1 | 2.5 | 1.2 | 0.5 <T | 2.0 | 0.8 <T |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W | 0.6 <T | 0.2 <W | 0.2 <W | 0.3 <T | 0.2 <W |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | 2.1 | 0.1 <W | 1.3 | 1.4 | 2.9 | 1.2 | 0.6 <T | 1.0 <T | 1.0 <T |
| 1,3-Butadiene | 0.1 <W | 0.1 <W | 0.1 <W | 0.4 <T | 0.4 <T | 0.2 <T | 0.1 <W | 0.5 <T | 0.2 <T |
| Cyclohexane | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.3 <T | -9.0 IEF | 0.1 <W | 0.6 <T | 0.2 <T |
| Hexane | 1.9 | 0.2 <T | 1.1 | 2.3 | 3.1 | 1.9 | 1.0 <T | 5.5 IO | 1.2 |
| 1,3,5-Trimethylbenzene | 0.7 <T | 0.1 <W | 0.5 <T | 0.5 <T | 1.1 IO | 0.4 <T | 0.2 <T | 0.4 <T | 0.3 <T |
| m+p-xylene | 3.9 | 0.3 <T | 2.7 | 2.9 | 6.6 IO | 2.7 | 1.4 | 5.0 | 2.0 |
| Styrene | 0.3 <T | 0.1 <W | 0.3 <T | 0.2 <T | 0.5 <T | 0.4 <T | 0.3 <T | 0.8 <T | 0.2 <T |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 1.4 <T | 1.1 <T | 2.1 <T | 0.3 <W | 1.2 <T | 0.5 <T |
| Isoprene | 4.5 | 0.4 <T | 1.1 | 2.1 | 0.4 <T | 0.1 <W | 0.1 <W | 0.2 <T | 0.2 <T |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.8 <T | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 0.3 <W | 1.3 <T | 0.3 <W | 1.3 <T | 3.1 | -9.0 IEF | 1.3 <W | 3.0 <T | 1.4 <T |
| Chloromethane | 0.4 <T | 0.2 <T | 0.5 <T | 0.3 <T | 0.7 <T | 0.5 <T | 0.4 <T | 0.5 <T | 0.6 <T |
| 1,1-Dichloroethene | 0.1 <W | 0.4 <T | 0.4 <T | 1.7 | 1.2 | 0.1 <W | 0.4 <T | 1.7 | 0.5 <T |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IEF | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T | 0.1 <W | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³)

Station: 63200 - Thunder Bay - James St. S.

| | | |
|---------------------------|-----------|-----------|
| Date : | 08-Dec-91 | 20-Dec-91 |
| Field Comment : | | |
| Office Comment : | | |
| Flow Rate (ml/min) : | 25.00 | 25.00 |
| Volume (litres) : | 36.00 | 36.00 |
| ----- Compound Name ----- | | |
| Naphthalene | 0.1 <W | 0.1 <W |
| Dichloromethane | -9.0 IEF | 0.2 <W |
| 1,1-Dichloroethane | -9.0 IEF | 0.1 <W |
| 1,1,1-Trichloroethane | -9.0 IEF | 0.5 <T |
| 1,2-Dichloroethane | -9.0 IEF | 0.1 <W |
| Carbon tetrachloride | -9.0 IEF | 0.8 <W |
| Benzene | -9.0 IEF | 1.3 |
| Trichloroethylene | 0.8 <T | 0.1 <W |
| Toluene | 3.3 | 2.9 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.4 <T | 0.3 <T |
| Chlorobenzene | 0.1 <W | 0.1 <W |
| Ethylbenzene | 0.6 <T | 0.7 <T |
| O-Xylene | 0.8 <T | 0.8 <T |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | 0.2 <W |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | 1.0 <T | 1.0 <T |
| 1,3-Butadiene | -9.0 IEF | 0.1 <W |
| Cyclohexane | -9.0 IEF | 0.2 <T |
| Hexane | -9.0 IEF | 1.1 |
| 1,3,5-Trimethylbenzene | 0.4 <T | 0.4 <T |
| M+P-Xylene | 2.1 | 2.4 |
| Styrene | 0.2 <T | 0.2 <T |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W |
| Trichloromethane | -9.0 IEF | 0.3 <W |
| Isoprene | -9.0 IEF | 0.1 <W |
| Acrylonitrile | -9.0 IEF | 0.3 <W |
| Bromodichloromethane | 0.3 <W | 0.3 <W |
| Chloromethane | -9.0 IEF | 0.5 <T |
| 1,1-Dichloroethene | -9.0 IEF | 0.4 <T |
| Vinylchloride | -9.0 IEF | 0.1 <W |
| 1,2-Dichloropropane | -9.0 IEF | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.2 | 0.1 <W |

PART VII:

NORTHEASTERN REGION AMBIENT AIR CONCENTRATION RESULTS

71068 - Sault Ste. Marie: Wm. Merrifield School

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds

(ug/m**3)

Station: 71068 - Sault Ste. Marie - Wm. Merrifield School

| Compound Name | 06-Jan-91 | | 18-Jan-91 | | 30-Jan-91 | | 11-Feb-91 | | 23-Feb-91 | | 07-Mar-91 | | 19-Mar-91 | | 31-Mar-91 | | 12-Apr-91 | |
|---------------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|
| | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | | Date : | |
| | Flow Rate (ml/min) : | Volume (litres) : | Flow Rate (ml/min) : | Volume (litres) : | Flow Rate (ml/min) : | Volume (litres) : | Flow Rate (ml/min) : | Volume (litres) : | Flow Rate (ml/min) : | Volume (litres) : | Flow Rate (ml/min) : | Volume (litres) : | Flow Rate (ml/min) : | Volume (litres) : | Flow Rate (ml/min) : | Volume (litres) : | Flow Rate (ml/min) : | Volume (litres) : |
| Naphthalene | 0.2 <T | 0.1 <W | 0.7 <T | -9.0 IIV | 0.2 <T | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Dichloromethane | 0.2 <W | 0.2 <W | 0.7 <T | -9.0 IIV | -9.0 IEF | 0.8 <T | 0.8 <T | -9.0 IHT | 0.2 <W | -9.0 IHT | 0.2 <W | -9.0 IHT | 0.2 <W | -9.0 IHT | 0.2 <W | 2.1 IO | 2.1 IO | 2.1 IO |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 1.0 <T | 1.1 | 0.1 <W | -9.0 IIV | 1.1 | 0.9 <T | 0.9 <T | -9.0 IHT | 0.7 <T | -9.0 IHT | 0.7 <T | -9.0 IHT | 0.7 <T | -9.0 IHT | 0.7 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | 0.8 <W | 0.8 <W | 0.8 <W | -9.0 IIV | 0.8 <W | 0.8 <W | 0.8 <W | -9.0 IHT | 0.8 <W | -9.0 IHT | 0.8 <W | -9.0 IHT | 0.8 <W | -9.0 IHT | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W |
| Benzene | 2.9 | 4.0 | 5.7 | -9.0 IIV | 3.0 | 2.4 | 2.4 | -9.0 IHT | 1.7 | -9.0 IHT | 1.7 | -9.0 IHT | 1.7 | -9.0 IHT | 1.7 | 0.3 <T | 0.3 <T | 0.3 <T |
| Trichloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Toluene | 3.6 | 3.3 | 9.4 | -9.0 IIV | 4.8 | 3.6 | 3.6 | -9.0 IHT | 3.0 | -9.0 IHT | 3.0 | -9.0 IHT | 3.0 | -9.0 IHT | 3.0 | 0.8 <T | 0.8 <T | 0.8 <T |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Chlorobenzene | 0.6 <T | 0.4 <T | 1.3 | -9.0 IIV | 0.6 <T | 0.5 <T | 0.5 <T | -9.0 IHT | 0.6 <T | -9.0 IHT | 0.6 <T | -9.0 IHT | 0.6 <T | -9.0 IHT | 0.6 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | 0.7 <T | 0.5 <T | 1.5 | -9.0 IIV | 0.8 <T | 0.6 <T | 0.6 <T | -9.0 IHT | 0.9 <T | -9.0 IHT | 0.9 <T | -9.0 IHT | 0.9 <T | -9.0 IHT | 0.9 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| O-xylene | 0.2 <W | 0.2 <W | 0.2 <W | -9.0 IIV | 0.2 <W | 0.2 <W | 0.2 <W | -9.0 IHT | 0.2 <W | -9.0 IHT | 0.2 <W | -9.0 IHT | 0.2 <W | -9.0 IHT | 0.2 <W | 0.2 <W | 0.2 <W | 0.2 <W |
| 1,1,2,2-Tetrachloroethane | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,3-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 1.5 | 0.9 <T | 3.1 IO | -9.0 IIV | 1.5 | 1.4 | 1.4 | -9.0 IHT | 1.4 | -9.0 IHT | 1.4 | -9.0 IHT | 1.4 | -9.0 IHT | 1.4 | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2,4-Trimethylbenzene | 0.1 <W | 0.1 <W | 0.3 <T | -9.0 IIV | -9.0 IEF | 0.2 <T | 0.2 <T | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,3-Butadiene | 0.2 <T | 0.1 <W | 0.3 <T | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Cyclohexane | 1.5 | 1.2 | 2.8 | -9.0 IIV | 1.6 | 1.5 | 1.5 | -9.0 IHT | 1.5 | -9.0 IHT | 1.5 | -9.0 IHT | 1.5 | -9.0 IHT | 1.5 | 0.3 <T | 0.3 <T | 0.3 <T |
| Hexane | 0.4 <T | 0.3 <T | 0.8 <T | -9.0 IIV | 0.4 <T | 0.3 <T | 0.3 <T | -9.0 IHT | 0.4 <T | -9.0 IHT | 0.4 <T | -9.0 IHT | 0.4 <T | -9.0 IHT | 0.4 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,3,5-Trimethylbenzene | 1.6 | 1.3 | 3.9 | -9.0 IIV | 2.0 | 1.4 | 1.4 | -9.0 IHT | 1.8 | -9.0 IHT | 1.8 | -9.0 IHT | 1.8 | -9.0 IHT | 1.8 | 0.3 <T | 0.3 <T | 0.3 <T |
| mP-xylene | 0.2 <T | 0.1 <W | 0.2 <T | -9.0 IIV | 0.2 <T | 0.2 <T | 0.2 <T | -9.0 IHT | 0.2 <T | -9.0 IHT | 0.2 <T | -9.0 IHT | 0.2 <T | -9.0 IHT | 0.2 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| Styrene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dibromoethane | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IIV | -9.0 IEF | 0.3 <W | 0.3 <W | -9.0 IHT | 0.3 <W | -9.0 IHT | 0.3 <W | -9.0 IHT | 0.3 <W | -9.0 IHT | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Trichloromethane | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Isoprene | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IIV | -9.0 IEF | 0.3 <W | 0.3 <W | -9.0 IHT | 0.3 <W | -9.0 IHT | 0.3 <W | -9.0 IHT | 0.3 <W | -9.0 IHT | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IIV | 0.3 <W | 0.3 <W | 0.3 <W | -9.0 IHT | 0.3 <W | -9.0 IHT | 0.3 <W | -9.0 IHT | 0.3 <W | -9.0 IHT | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 0.3 <W | 0.3 <W | 0.8 <T | -9.0 IIV | -9.0 IEF | 1.1 | 1.1 | -9.0 IHT | 1.1 | -9.0 IHT | 1.1 | -9.0 IHT | 1.1 | -9.0 IHT | 1.1 | 0.2 <T | 0.2 <T | 0.2 <T |
| Chloromethane | 1.3 | 0.9 <T | 0.8 <T | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1-Dichloroethene | 0.9 <T | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIV | -9.0 IEF | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIV | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | -9.0 IIV | 0.4 <T | 0.1 <W | 0.1 <W | -9.0 IHT | 0.4 <T | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | -9.0 IHT | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m**3)

Station: 71068 - Sault Ste. Marie - Wm. Merrifield School

| Date : | 24-Apr-91 | 06-May-91 | 18-May-91 | 30-May-91 | 11-Jun-91 | 05-Jul-91 | 17-Jul-91 | 29-Jul-91 | 10-Aug-91 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Field Comment : | | | | | | | | | |
| Office Comment : | | | | | | | | | |
| Flow rate (ml/min) : | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| Volume (litres) : | 36.17 | 36.17 | 36.17 | 36.17 | 36.17 | 36.17 | 36.17 | 36.17 | 36.17 |
| Compound Name | 24-Apr-91 | 06-May-91 | 18-May-91 | 30-May-91 | 11-Jun-91 | 05-Jul-91 | 17-Jul-91 | 29-Jul-91 | 10-Aug-91 |
| Naphthalene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 1.1 | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Dichloromethane | 0.6 <T | 0.2 <W | 0.6 <T | 0.2 <W | 1.1 | 0.2 <W | 0.6 <T | 0.6 <T | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,1,1-Trichloroethane | 0.5 <T | 0.3 <T | 0.7 <T | 0.1 <W | 1.3 | 1.2 | 0.1 <W | 0.8 <T | 2.0 |
| 1,2-Dichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Carbon tetrachloride | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 0.8 <W | 2.6 <T |
| Benzene | 2.4 | 0.3 <T | 1.0 <T | 0.4 <T | 2.5 | 2.8 | 0.7 <T | 1.6 | 1.6 |
| Trichloroethylene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.5 <T | 0.6 <T | 1.3 | 0.1 <W | 0.1 <W |
| Toluene | 2.9 | 0.6 <T | 2.3 | 0.8 <T | 4.2 | 4.8 | 4.4 | 5.7 | 8.4 |
| 1,1,2-Trichloroethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Tetrachloroethylene | 0.1 <W | 0.1 <W | 0.4 <T | 0.1 <W | 0.7 <T | 0.3 <T | 0.4 <T | 0.5 <T | 0.4 <T |
| Chlorobenzene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Ethylbenzene | 0.3 <T | 0.1 <W | 0.6 AIN | 0.1 <W | 1.1 AIN | 0.8 <T | 0.6 AIN | 1.0 <T | 0.8 <T |
| O-xylene | 0.4 <T | 0.2 <T | 1.1 AIN | 0.2 <T | 1.6 AIN | 0.9 <T | 1.1 AIN | 1.1 | 1.0 <T |
| 1,1,2,2-Tetrachloroethane | 0.2 <W | 0.2 <W | 3.4 AIN | 0.2 <W | 4.4 AIN | 0.2 <W | 3.3 AIN | 0.2 <W | 1.0 <T |
| 1,3-Dichlorobenzene | 0.6 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichlorobenzene | 0.4 <T | 0.4 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.2 <T | 0.1 <W |
| 1,2,4-Trimethylbenzene | 0.5 <T | 0.1 <W | 1.3 AIN | 0.3 <T | 2.5 AIN | 1.3 | 1.6 AIN | 1.4 | 1.7 |
| 1,3-Butadiene | 0.3 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Cyclohexane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T | 0.1 <W | 0.1 <W | 0.5 <T |
| Hexane | 0.8 <T | 0.2 <T | 0.7 <T | 0.4 <T | 1.1 | 1.5 | 1.0 <T | 1.5 | 2.3 |
| 1,3,5-Trimethylbenzene | 0.2 <T | 0.1 <W | 0.6 AIN | 0.1 <W | 1.4 AIN | 0.7 <T | 0.9 AIN | 0.7 <T | 0.7 <T |
| M+p-xylene | 0.8 <T | 0.5 <T | 2.1 AIN | 0.3 <T | 3.8 AIN | 2.2 | 2.2 AIN | 3.0 | 2.7 |
| Styrene | 0.2 <T | 0.1 <W | 0.9 AIN | 0.1 <W | 0.7 AIN | 0.3 <T | 0.8 AIN | 0.4 <T | 0.5 <T |
| 1,2-Dibromoethane | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| Trichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.8 <T | 0.3 <W | 0.7 <T | 0.3 <W |
| Isoprene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.3 <T | 0.4 <T | 0.1 <W | 0.7 <T | 1.0 <T |
| Acrylonitrile | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Bromodichloromethane | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W | 1.4 <T | 0.3 <W | 0.3 <W | 0.3 <W | 0.3 <W |
| Chloromethane | 1.1 | 0.5 <T | 0.4 <T | 0.4 <T | 0.9 <T | 0.1 <W | 0.3 <T | 0.5 <T | 0.9 <T |
| 1,1-Dichloroethene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.5 <T | 0.8 <T | 0.1 <W | 0.1 <W | 0.1 <W |
| Vinylchloride | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W | 0.1 <W | 0.8 <T | 0.3 <T | 2.5 IO | 0.3 <T | 0.1 <W | 0.1 <W | 0.5 <T |
| cis-1,3-Dichloropropene | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W | 0.1 <W |
| 1,4-Dichlorobenzene | 0.4 <T | 0.1 <W | 0.7 AIN | 0.5 <T | 0.1 <W | 0.1 <W | 0.1 <W | 0.5 <T | 0.8 <T |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³)

Station: 71068 - Sault Ste. Marie - Wm. Merrifield School

| | 22-Aug-91 | | 03-Sep-91 | | 15-Sep-91 | | 09-Oct-91 | | 21-Oct-91 | | 02-Nov-91 | | 14-Nov-91 | | 26-Nov-91 | | 08-Dec-91 | |
|---------------------------|-----------|----------------------|-----------|----------------------|-----------|----------------------|-----------|----------------------|-----------|----------------------|-----------|----------------------|-----------|----------------------|-----------|----------------------|-----------|----------------------|
| | Date : | Field Comment : | Date : | Field Comment : | Date : | Field Comment : | Date : | Field Comment : | Date : | Field Comment : | Date : | Field Comment : | Date : | Field Comment : | Date : | Field Comment : | Date : | Field Comment : |
| | | Office Comment : | | Office Comment : | | Office Comment : | | Office Comment : | | Office Comment : | | Office Comment : | | Office Comment : | | Office Comment : | | Office Comment : |
| | | Flow Rate (mL/min) : | | Flow Rate (mL/min) : | | Flow Rate (mL/min) : | | Flow Rate (mL/min) : | | Flow Rate (mL/min) : | | Flow Rate (mL/min) : | | Flow Rate (mL/min) : | | Flow Rate (mL/min) : | | Flow Rate (mL/min) : |
| | | Volume (litres) : | | Volume (litres) : | | Volume (litres) : | | Volume (litres) : | | Volume (litres) : | | Volume (litres) : | | Volume (litres) : | | Volume (litres) : | | Volume (litres) : |
| ----- | | | | | | | | | | | | | | | | | | |
| Compound Name | | | | | | | | | | | | | | | | | | |
| Naphthalene | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| Dichloromethane | 0.2 <W | | 0.2 <W | | 1.5 <T | | 0.2 <W | | 0.2 <W | | 0.2 <W | | 0.2 <W | | 0.2 <W | | 0.2 <W | |
| 1,1-Dichloroethane | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| 1,1,1-Trichloroethane | 0.1 <W | | 1.2 | | 1.5 | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| 1,1,2-Trichloroethane | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| Carbon tetrachloride | 0.8 <W | | 0.8 <W | | 2.7 <T | | 0.8 <W | | 0.8 <W | | 0.8 <W | | 0.8 <W | | 0.8 <W | | 0.8 <W | |
| Benzene | 0.9 <T | | 3.5 | | 6.6 IO | | 2.4 | | 2.4 | | 0.3 <T | | 0.3 <T | | 1.2 | | 1.2 | |
| Trichloroethylene | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| Toluene | 1.1 | | 4.9 | | 8.0 | | 5.2 | | 5.2 | | 0.6 <T | | 0.6 <T | | 3.6 | | 3.6 | |
| 1,1,2-Trichloroethane | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| Tetrachloroethylene | 0.1 <W | | 0.7 <T | | 0.4 <T | | 0.6 <T | | 0.6 <T | | 0.1 <W | | 0.1 <W | | 0.3 <T | | 0.3 <T | |
| Chlorobenzene | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| Ethylbenzene | 0.1 <W | | 0.8 <T | | 0.8 <T | | 0.8 <T | | 0.8 <T | | 0.1 <W | | 0.1 <W | | 0.6 <T | | 0.6 <T | |
| O-Xylene | 0.2 <T | | 0.9 <T | | 0.7 <T | | 0.9 <T | | 0.9 <T | | 0.1 <W | | 0.1 <W | | 0.6 <T | | 0.6 <T | |
| 1,1,2,2-Tetrachloroethane | 0.5 <T | | 0.2 <W | | 0.2 <W | | 0.2 <W | | 0.2 <W | | 0.2 <W | | 0.2 <W | | 0.2 <W | | 0.2 <W | |
| 1,3-Dichlorobenzene | 0.2 <T | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| 1,2-Dichlorobenzene | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| 1,2,4-Trimethylbenzene | 0.5 <T | | 1.0 <T | | 0.5 <T | | 0.8 <T | | 0.8 <T | | 0.1 <W | | 0.1 <W | | 1.0 <T | | 1.0 <T | |
| 1,3-Butadiene | 0.1 <W | | 0.3 <T | | 0.4 <T | | 0.3 <T | | 0.3 <T | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| Cyclohexane | 0.2 <T | | 0.1 <W | | 0.3 <T | | 0.2 <T | | 0.2 <T | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| Hexane | 0.4 <T | | 1.3 | | 2.9 | | 1.4 | | 1.4 | | 0.4 <T | | 0.4 <T | | 1.1 | | 1.1 | |
| 1,3,5-Trimethylbenzene | 0.1 <W | | 0.4 <T | | 0.3 <T | | 0.4 <T | | 0.4 <T | | 0.1 <W | | 0.1 <W | | 0.4 <T | | 0.4 <T | |
| m-P-Xylene | 0.1 <W | | 2.4 | | 2.2 | | 2.6 | | 2.6 | | 0.2 <T | | 0.2 <T | | 1.8 | | 1.8 | |
| Styrene | 0.1 <W | | 0.3 <T | | 0.2 <T | | 0.3 <T | | 0.3 <T | | 0.1 <W | | 0.1 <W | | 0.2 <T | | 0.2 <T | |
| 1,2-Dibromoethane | 0.1 <W | | 0.3 <T | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| Trichloromethane | 0.3 <W | | 0.3 <W | | 1.4 <T | | 0.3 <W | | 0.3 <W | | 0.3 <W | | 0.3 <W | | 0.3 <W | | 0.3 <W | |
| Isoprene | 0.1 <W | | 0.2 <T | | 0.4 <T | | 0.3 <T | | 0.3 <T | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| Acrylonitrile | 0.3 <W | | 0.3 <W | | 0.3 <W | | 0.3 <W | | 0.3 <W | | 0.3 <W | | 0.3 <W | | 0.3 <W | | 0.3 <W | |
| Bromodichloromethane | 0.3 <W | | 0.3 <W | | 2.7 <T | | 2.5 <T | | 2.5 <T | | 0.3 <W | | 0.3 <W | | 0.8 <T | | 0.8 <T | |
| Chloromethane | 0.3 <T | | 1.0 <T | | 0.3 <T | | 0.5 <T | | 0.5 <T | | 0.1 <W | | 0.1 <W | | 0.5 <T | | 0.5 <T | |
| 1,1-Dichloroethene | 0.1 <W | | 0.7 <T | | 1.5 | | 1.3 | | 1.3 | | 0.1 <W | | 0.1 <W | | 0.2 <T | | 0.2 <T | |
| Vinylchloride | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| 1,2-Dichloropropane | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| cis-1,3-Dichloropropene | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |
| 1,4-Dichlorobenzene | 0.3 <T | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | | 0.1 <W | |

Ontario Ministry of the Environment
Ambient Air Concentrations of Volatile Organic Compounds
(ug/m³)

Station: 71068 - Sault Ste. Marie - Wm. Merrifield School

Date : 20-Dec-91
Field Comment :
Office Comment :
Flow Rate (ml/min) : 25.00
Volume (litres) : 36.17

| Compound Name | |
|---------------------------|--------|
| Naphthalene | 0.1 <W |
| Dichloromethane | 0.2 <W |
| 1,1-Dichloroethane | 0.1 <W |
| 1,1,1-Trichloroethane | 0.1 <W |
| 1,2-Dichloroethane | 0.1 <W |
| Carbontetrachloride | 0.8 <W |
| Benzene | 2.0 |
| Trichloroethylene | 0.1 <W |
| Toluene | 5.2 |
| 1,1,2-Trichloroethane | 0.1 <W |
| Tetrachloroethylene | 0.6 <T |
| Chlorobenzene | 0.1 <W |
| Ethylbenzene | 1.0 <T |
| O-xylene | 1.1 |
| 1,1,2,2-Tetrachloroethane | 0.2 <W |
| 1,3-Dichlorobenzene | 0.1 <W |
| 1,2-Dichlorobenzene | 0.1 <W |
| 1,2,4-Trimethylbenzene | 1.7 |
| 1,3-Butadiene | 0.1 <W |
| Cyclohexane | 0.2 <T |
| Hexane | 1.4 |
| 1,3,5-Trimethylbenzene | 0.6 <T |
| M+p-xylene | 3.1 |
| Styrene | 0.3 <T |
| 1,2-Dibromomethane | 0.1 <W |
| Trichloromethane | 0.5 <T |
| Isoprene | 0.1 <W |
| Acrylonitrile | 0.3 <W |
| Bromodichloromethane | 0.3 <W |
| Chloromethane | 0.6 <T |
| 1,1-Dichloroethene | 0.3 <T |
| Vinylchloride | 0.1 <W |
| 1,2-Dichloropropane | 0.1 <W |
| cis-1,3-dichloropropene | 0.1 <W |
| 1,4-Dichlorobenzene | 0.1 <W |

